

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103020\
 Data File : VN064393.D
 Acq On : 30 Oct 2020 12:25
 Operator : JC/MD
 Sample : VN1030WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:11:36 PM

Quant Time: Oct 30 13:48:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 12:23:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	237133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	392221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	355187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157876	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	190873	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
35) Dibromofluoromethane	7.54	113	132540	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.05	98	473329	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.37	95	181711	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	51688	18.962	ug/l	93
3) Chloromethane	2.04	50	51136	17.354	ug/l	97
4) Vinyl Chloride	2.16	62	50861	17.845	ug/l	99
5) Bromomethane	2.54	94	33576	18.231	ug/l	98
6) Chloroethane	2.68	64	30487	17.901	ug/l	97
7) Trichlorofluoromethane	2.99	101	89639	18.774	ug/l	97
8) Diethyl Ether	3.37	74	29156	19.303	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44545	18.562	ug/l	98
10) Methyl Iodide	3.91	142	49234	15.374	ug/l	97
11) Tert butyl alcohol	4.72	59	44660	80.733	ug/l #	79
12) 1,1-Dichloroethene	3.70	96	39882	17.604	ug/l	97
13) Acrolein	3.58	56	7119m	72.788	ug/l	
14) Allyl chloride	4.27	41	76286	16.491	ug/l	96
15) Acrylonitrile	4.93	53	108040	90.820	ug/l	99
16) Acetone	3.77	43	118857	86.688	ug/l	97
17) Carbon Disulfide	4.01	76	113468	16.928	ug/l	99
18) Methyl Acetate	4.27	43	54116	18.905	ug/l	100
19) Methyl tert-butyl Ether	4.98	73	165825	19.050	ug/l	99
20) Methylene Chloride	4.50	84	49761	18.413	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	44653	17.668	ug/l	97
22) Diisopropyl ether	5.89	45	174929	19.346	ug/l	99
23) Vinyl Acetate	5.84	43	728864	95.280	ug/l	97
24) 1,1-Dichloroethane	5.79	63	92787	18.339	ug/l	99
25) 2-Butanone	6.78	43	167504	87.545	ug/l	99
26) 2,2-Dichloropropane	6.77	77	88755	17.924	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	54972	19.006	ug/l	98
28) Bromochloromethane	7.15	49	41760	17.323	ug/l	99
29) Tetrahydrofuran	7.16	42	109445	88.110	ug/l	99
30) Chloroform	7.33	83	98173	18.178	ug/l	100
31) Cyclohexane	7.61	56	73954	16.722	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	91980	17.736	ug/l	96
36) 1,1-Dichloropropene	7.75	75	72404	18.291	ug/l	99
37) Ethyl Acetate	6.87	43	61310	15.334	ug/l	96
38) Carbon Tetrachloride	7.73	117	83819	18.265	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	59610	15.187	ug/l	98
40) Benzene	8.00	78	196915	17.872	ug/l	97
41) Methacrylonitrile	7.12	41	35195	17.732	ug/l	91
42) 1,2-Dichloroethane	8.08	62	91275	19.177	ug/l	99
43) Isopropyl Acetate	8.12	43	125240	18.323	ug/l #	90
44) Trichloroethene	8.80	130	53026	18.371	ug/l	95
45) 1,2-Dichloropropane	9.08	63	54410	18.441	ug/l	95
46) Dibromomethane	9.17	93	38374	18.591	ug/l	98
47) Bromodichloromethane	9.37	83	82479	18.030	ug/l	98
48) Methyl methacrylate	9.16	41	64125	18.184	ug/l	94
49) 1,4-Dioxane	9.16	88	17709	340.710	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	352377	88.692	ug/l	99
52) Toluene	10.12	92	124691	17.934	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	87134	18.015	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	90341	18.144	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	50584	18.431	ug/l	95
56) Ethyl methacrylate	10.40	69	74073	17.829	ug/l	99
57) 1,3-Dichloropropane	10.68	76	87857	18.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	185369	81.765	ug/l	98
59) 2-Hexanone	10.72	43	253052	86.480	ug/l	98
60) Dibromochloromethane	10.87	129	60798	18.736	ug/l	97
61) 1,2-Dibromoethane	10.97	107	55355	19.795	ug/l	96
64) Tetrachloroethene	10.60	164	50373	17.255	ug/l	91
65) Chlorobenzene	11.40	112	136415	18.944	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	53691	18.448	ug/l	97
67) Ethyl Benzene	11.48	91	242220	18.093	ug/l	100
68) m/p-Xylenes	11.59	106	181899	36.664	ug/l	97
69) o-Xylene	11.92	106	86841	18.169	ug/l	95
70) Styrene	11.94	104	145269	18.537	ug/l	99
71) Bromoform	12.10	173	39869	17.454	ug/l #	96
73) Isopropylbenzene	12.22	105	221268	18.713	ug/l	99
74) N-amyl acetate	12.04	43	101029	19.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	65261	18.987	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	71136m	18.816	ug/l	
77) Bromobenzene	12.50	156	56616	19.553	ug/l	99
78) n-propylbenzene	12.56	91	245195	18.316	ug/l	99
79) 2-Chlorotoluene	12.65	91	161932	18.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	184076	18.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	23297	17.750	ug/l	93
82) 4-Chlorotoluene	12.75	91	169770	19.474	ug/l	99
83) tert-Butylbenzene	12.96	119	150333	18.311	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	192245	19.230	ug/l	100
85) sec-Butylbenzene	13.14	105	183120	17.236	ug/l	99
86) p-Isopropyltoluene	13.26	119	164663	17.203	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	95507	18.842	ug/l	98
88) 1,4-Dichlorobenzene	13.33	146	95906	18.577	ug/l	100
89) n-Butylbenzene	13.59	91	138919	16.475	ug/l	97
90) Hexachloroethane	13.84	117	31027	17.260	ug/l	98
91) 1,2-Dichlorobenzene	13.62	146	92803	18.415	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	16568	19.427	ug/l	94

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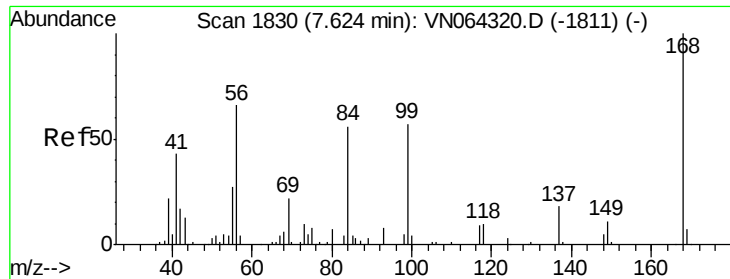
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	44431	16.739	ug/l	97
94) Hexachlorobutadiene	14.98	225	23588	15.253	ug/l	95
95) Naphthalene	15.10	128	134011	16.689	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	42397	16.705	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.00 min

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Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion:168 Resp: 237133

Ion Ratio Lower Upper

168 100

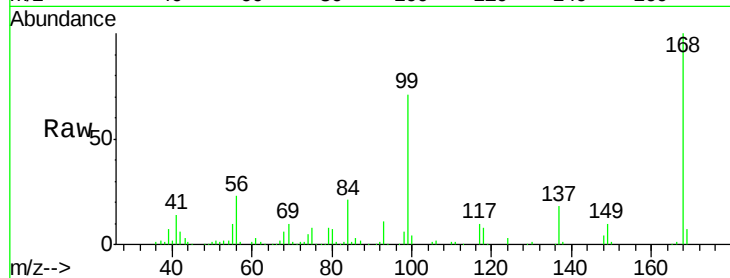
99 70.3 52.7 79.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

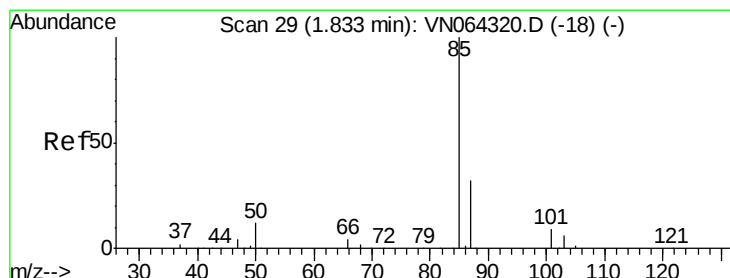
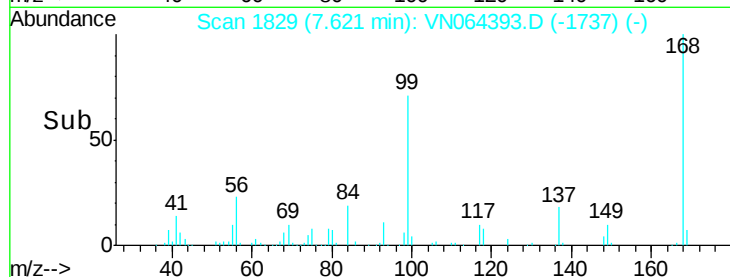
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.962 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064393.D

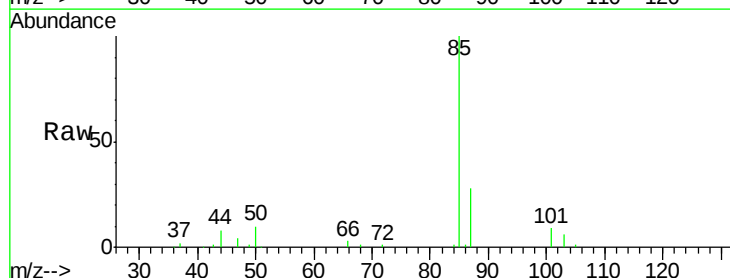
Acq: 30 Oct 2020 12:25

Tgt Ion: 85 Resp: 51688

Ion Ratio Lower Upper

85 100

87 28.3 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

40000

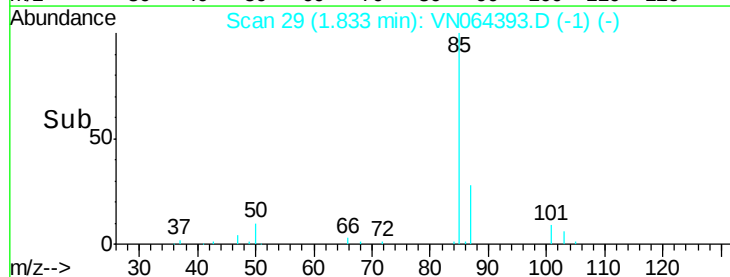
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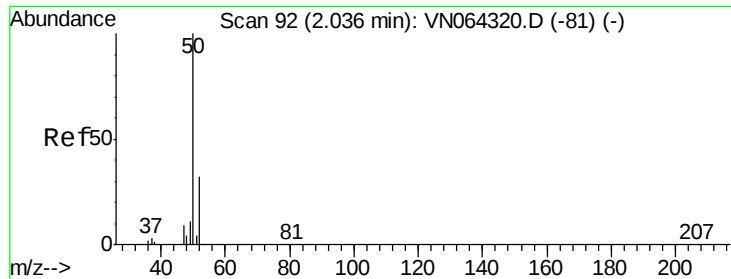
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10000

0

Time-->





#3

Chloromethane

Concen: 17.354 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 50 Resp: 51136

Ion Ratio Lower Upper

50 100

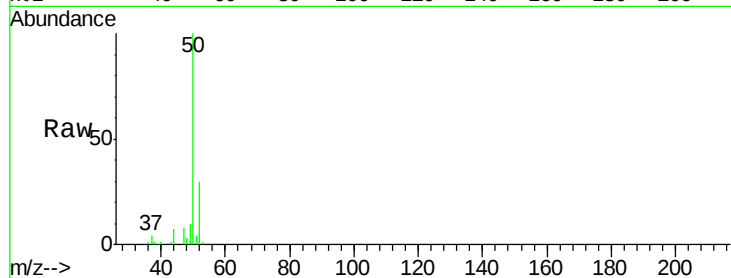
52 30.3 25.6 38.4

Manual Integrations

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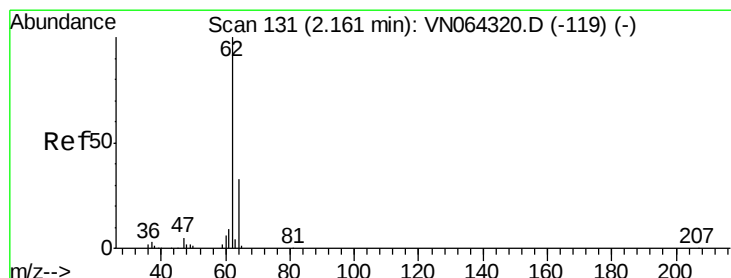
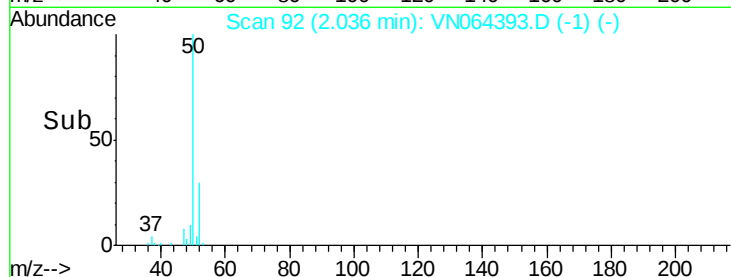
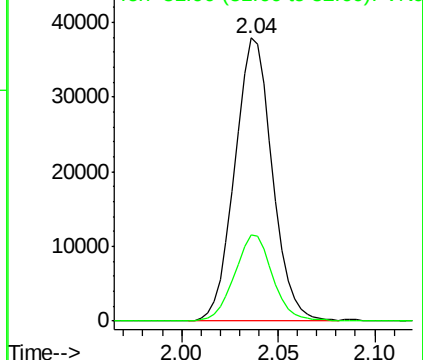
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.845 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064393.D

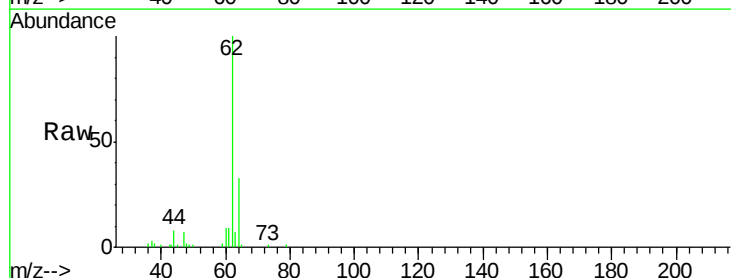
Acq: 30 Oct 2020 12:25

Tgt Ion: 62 Resp: 50861

Ion Ratio Lower Upper

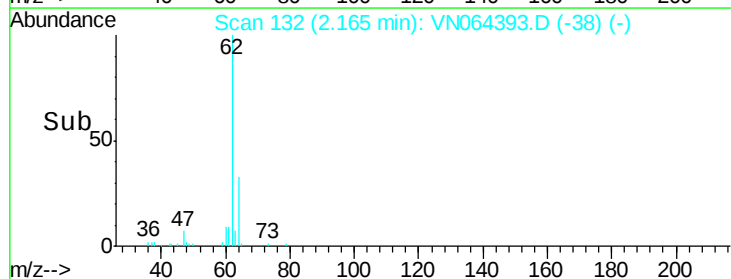
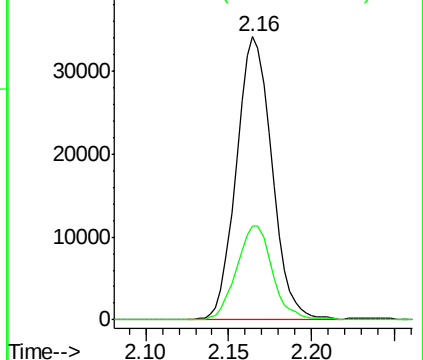
62 100

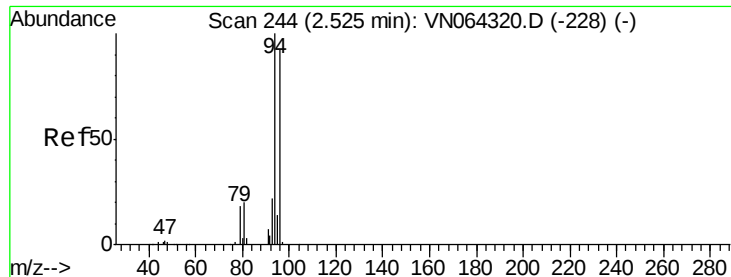
64 33.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.231 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

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VN1030WBSD01

Tot Ion: 94 Resp: 33576

Ion Ratio Lower Upper

94 100

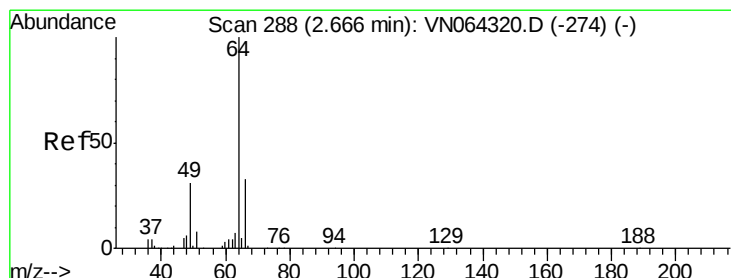
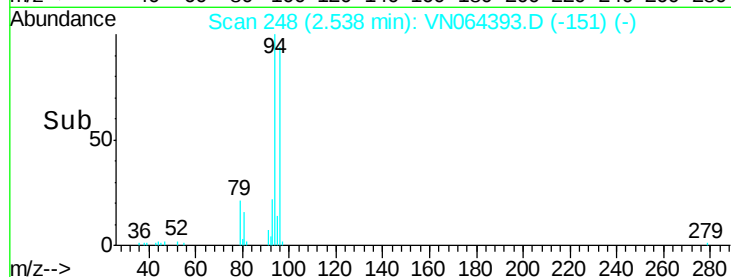
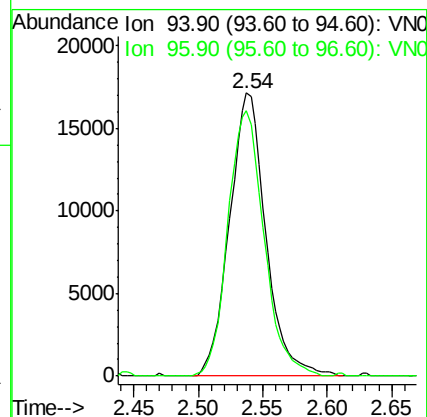
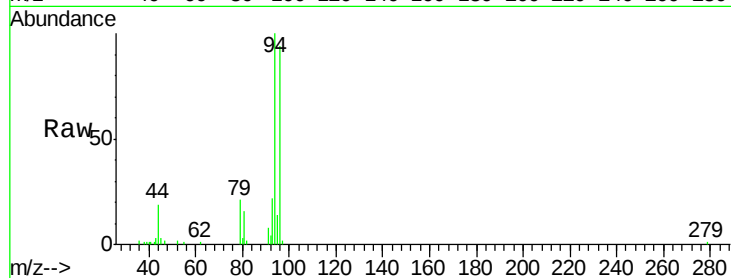
96 93.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 17.901 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064393.D

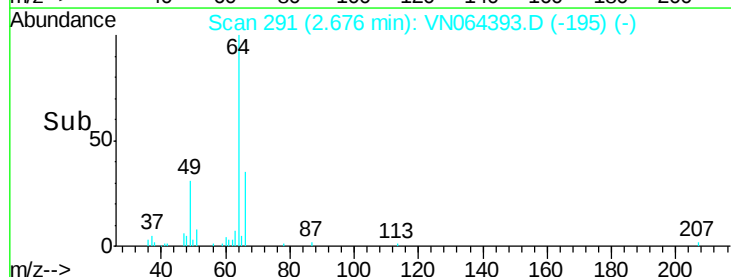
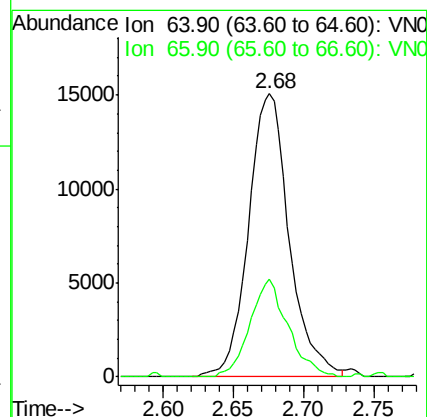
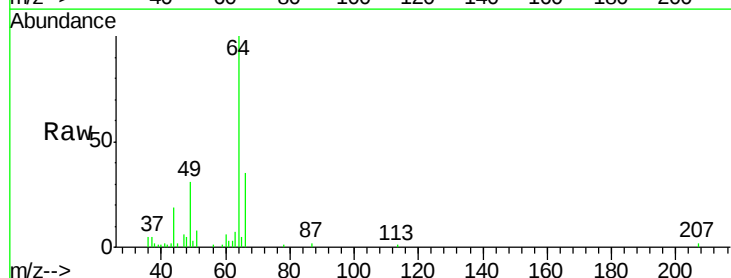
Acq: 30 Oct 2020 12:25

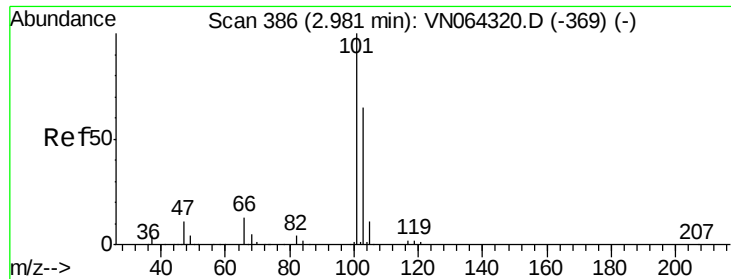
Tgt Ion: 64 Resp: 30487

Ion Ratio Lower Upper

64 100

66 34.6 26.5 39.7





#7

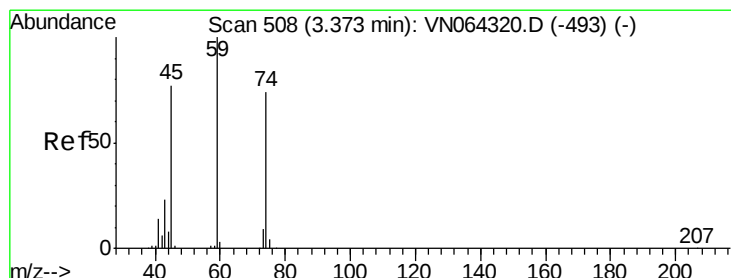
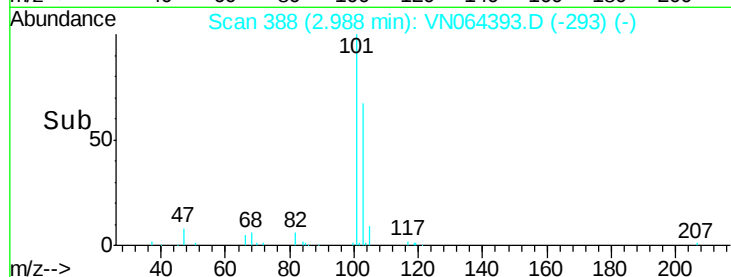
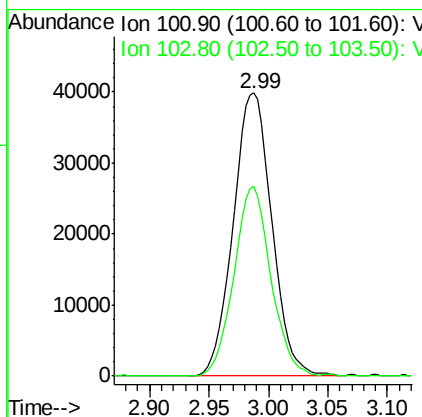
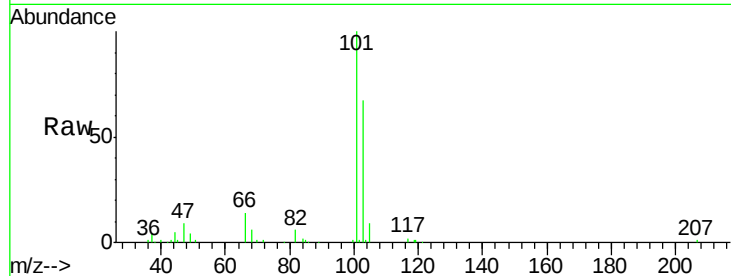
Trichlorofluoromethane
 Concen: 18.774 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: VN064393.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.7	77.5

Manual Integrations
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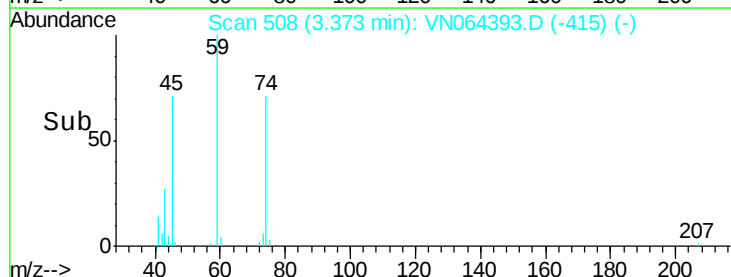
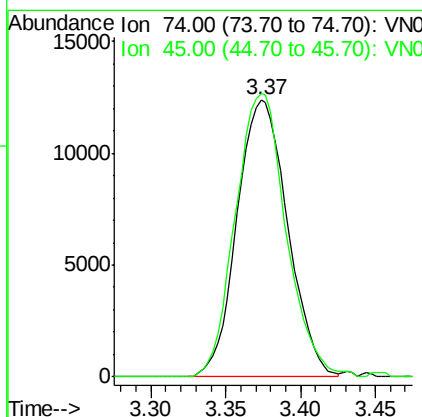
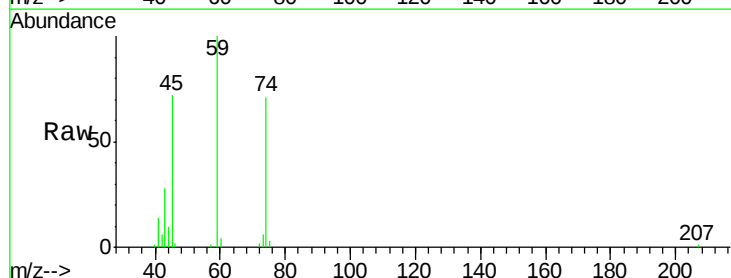
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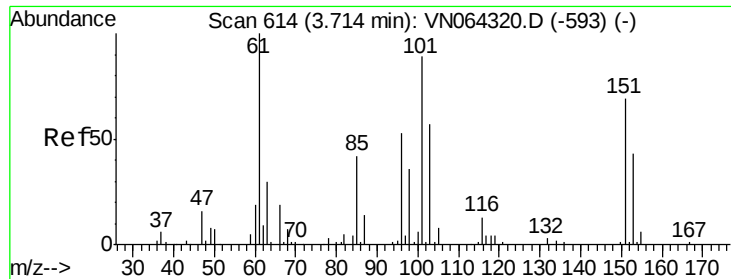


#8

Diethyl Ether
 Concen: 19.303 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064393.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.7	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.562 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

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MSVOA_N

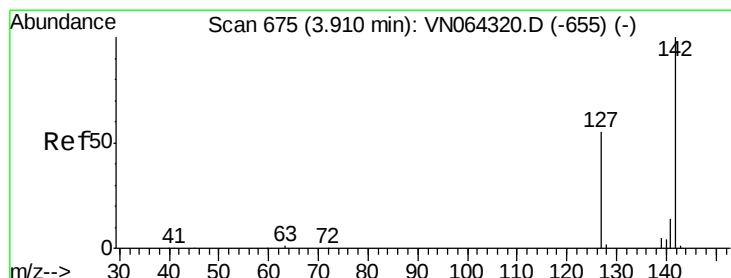
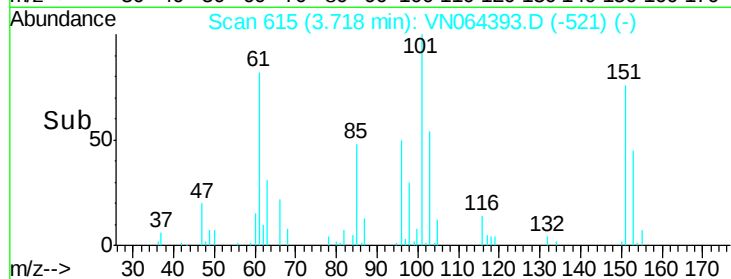
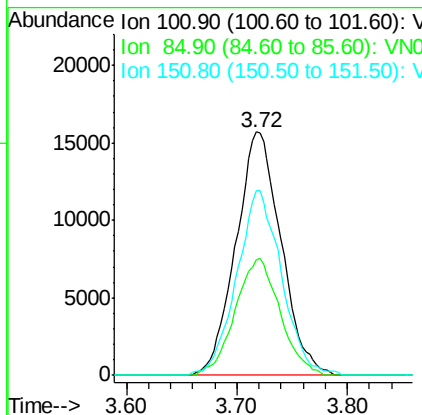
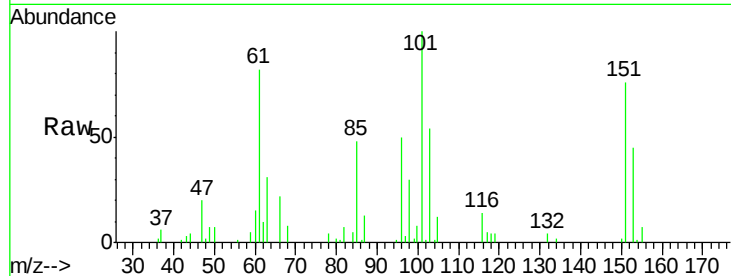
ClientSampleId :

VN1030WBSD01

Tot Ion:	101	Resp:	44545
Ion Ratio	Lower	Upper	
101	100		
85	47.8	38.4	57.6
151	75.3	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 15.374 ug/l

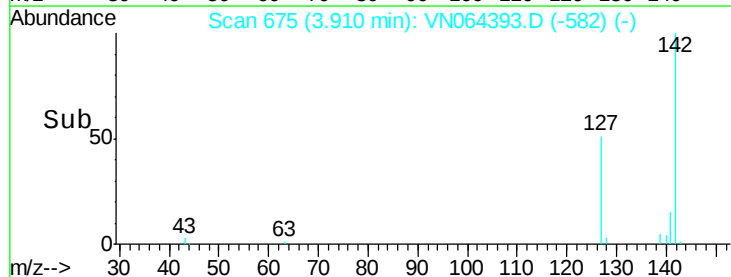
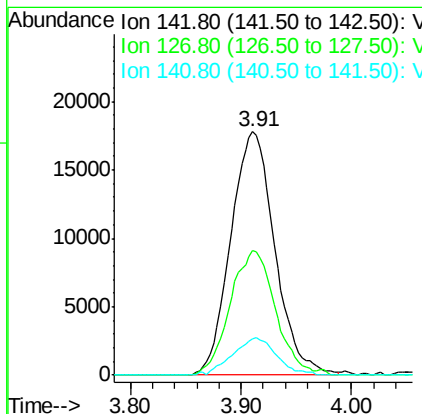
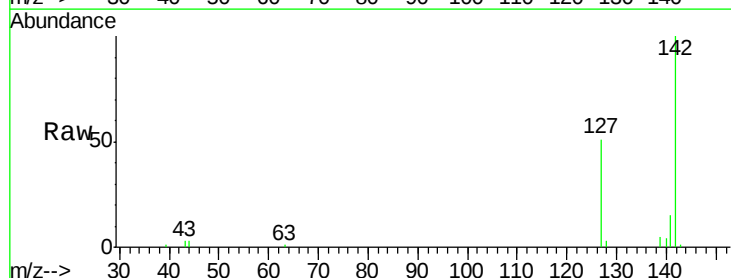
RT: 3.91 min Scan# 675

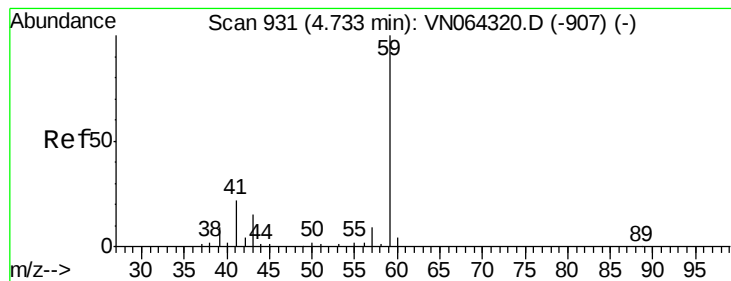
Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion:	142	Resp:	49234
Ion Ratio	Lower	Upper	
142	100		
127	52.3	43.3	64.9
141	15.4	11.5	17.3





#11

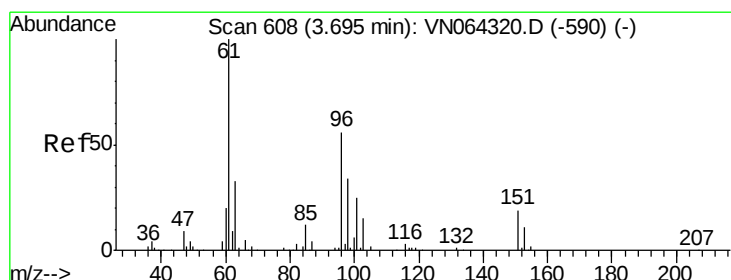
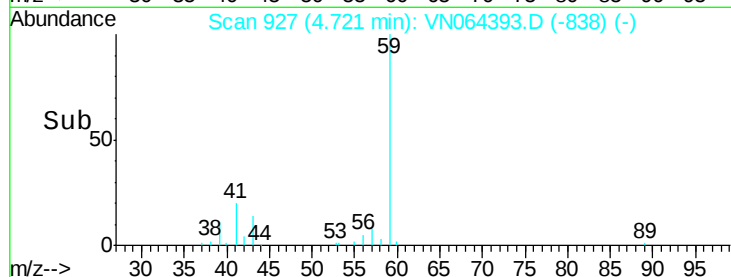
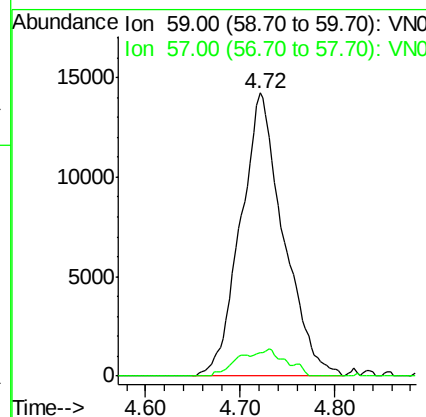
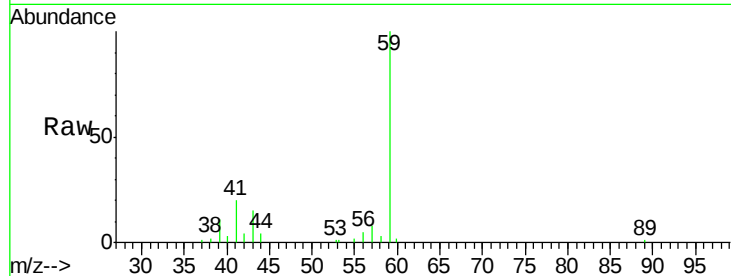
Tert butyl alcohol
 Concen: 80.733 ug/l
 RT: 4.72 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	59	57	Ratio	100	3.6	Resp	44660	Lower	9.4	Upper	14.0#
Ion	59	57	Ratio	100	3.6	Resp	44660	Lower	9.4	Upper	14.0#

Manual Integrations
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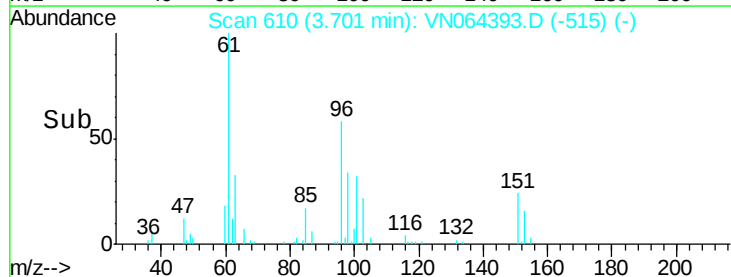
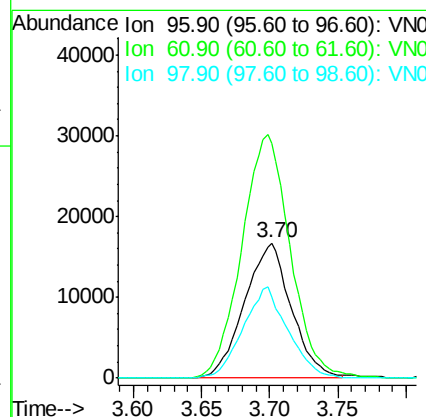
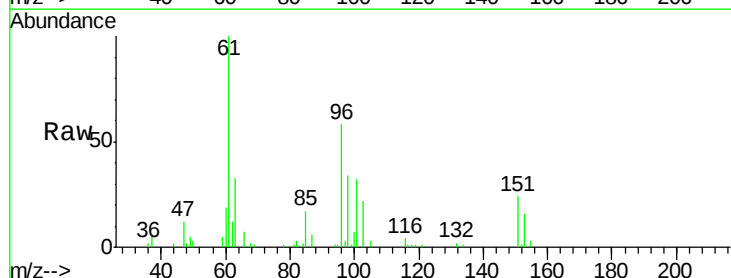
MMDadoda
 11/2/2020 4:11:36 PM

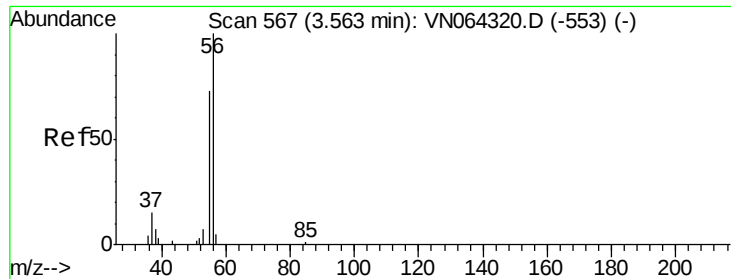


#12

1,1-Dichloroethene
 Concen: 17.604 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.01 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	96	61	98	Ratio	100	173.7	59.8	Resp	39882	Lower	143.6	48.6	Upper	215.4	73.0
Ion	96	61	98	Ratio	100	173.7	59.8	Resp	39882	Lower	143.6	48.6	Upper	215.4	73.0





#13

Acrolein

Concen: 72.788 ug/l m

RT: 3.58 min Scan# 572

Delta R.T. 0.02 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 56 Resp: 7119

Ion Ratio Lower Upper

56 100

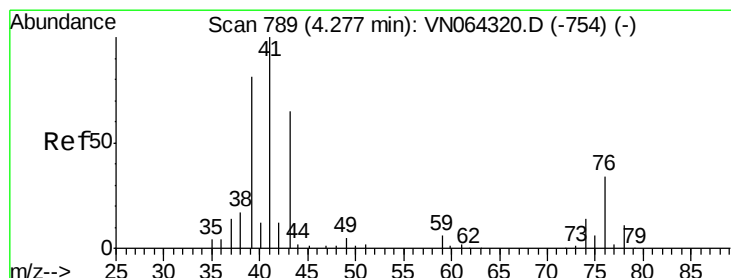
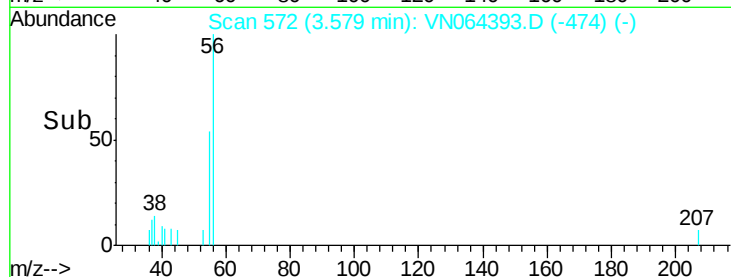
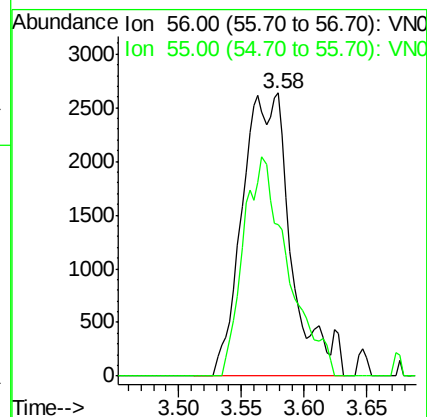
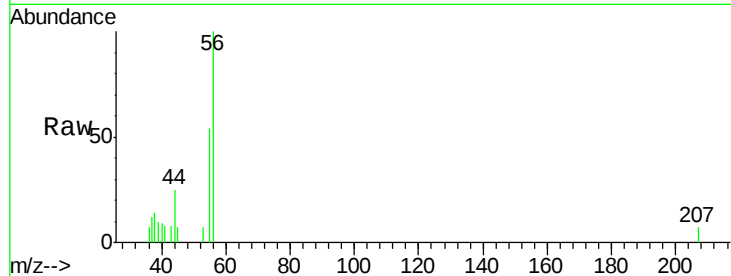
55 70.5 62.6 94.0

Manual Integrations

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#14

Allyl chloride

Concen: 16.491 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

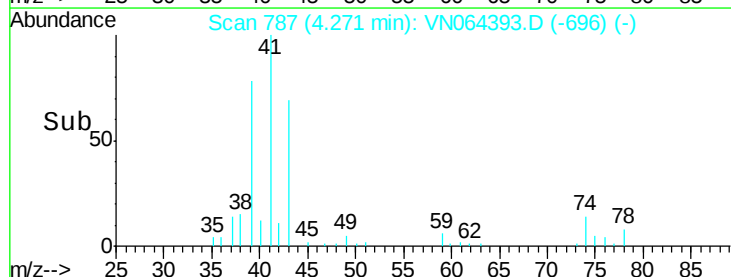
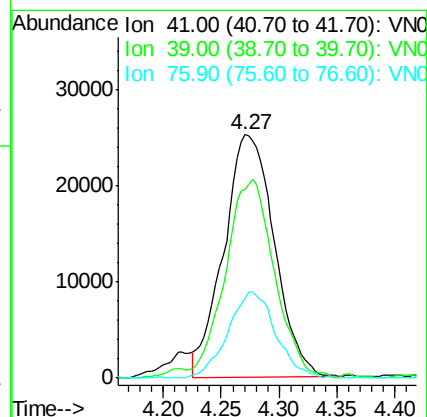
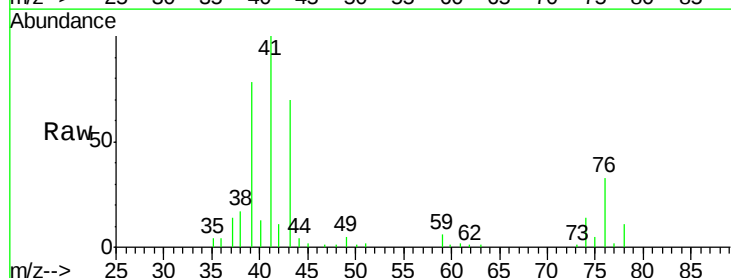
Tgt Ion: 41 Resp: 76286

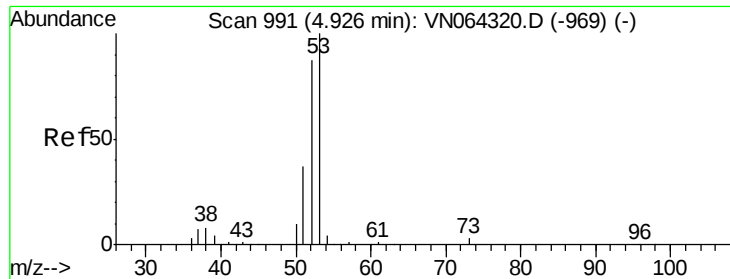
Ion Ratio Lower Upper

41 100

39 80.0 61.7 92.5

76 33.6 24.0 36.0





#15

Acrylonitrile

Concen: 90.820 ug/l

RT: 4.93 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

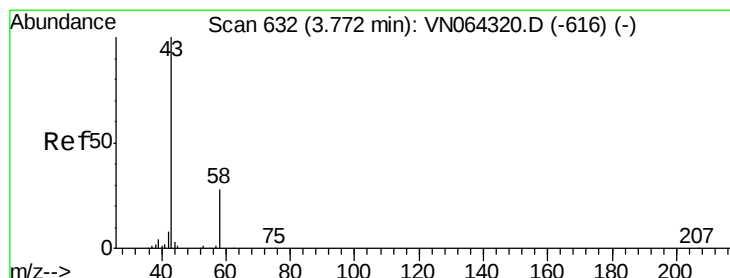
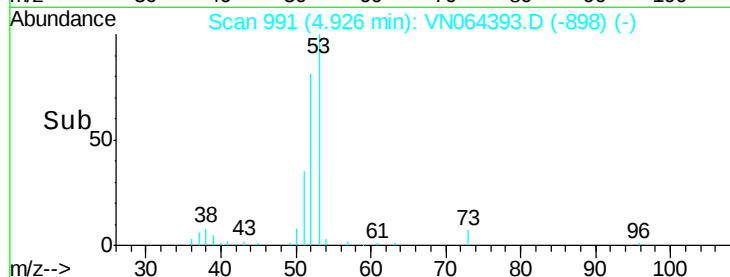
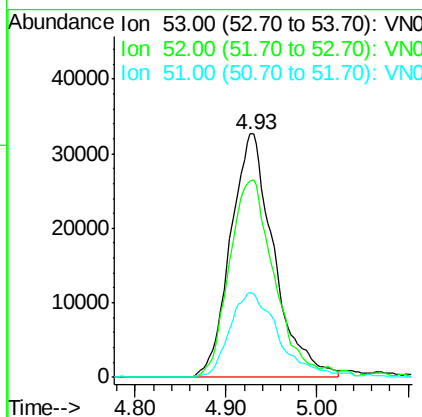
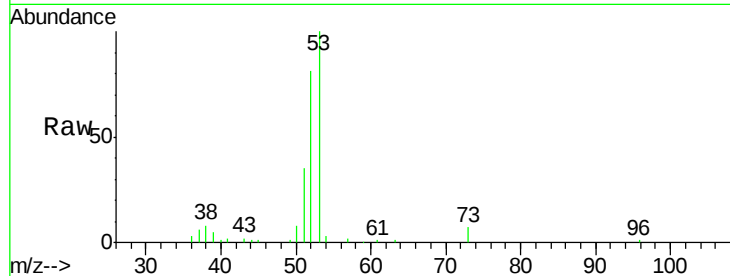
ClientSampleId :

VN1030WBSD01

Tot Ion:	53	Resp:	108040
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.9	98.9
51	39.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 86.688 ug/l

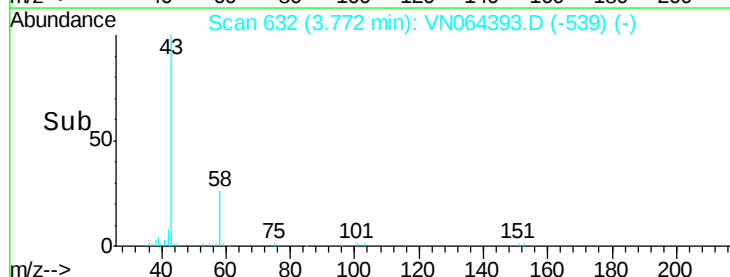
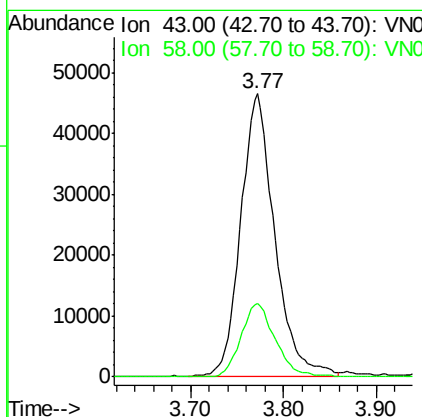
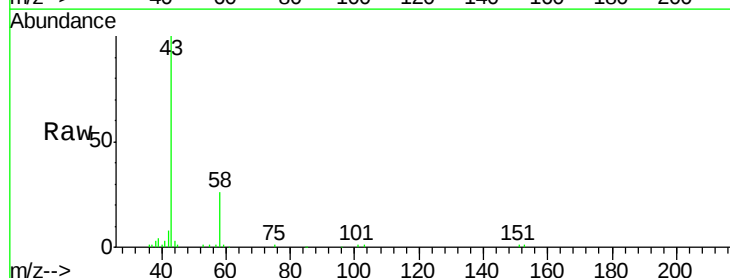
RT: 3.77 min Scan# 632

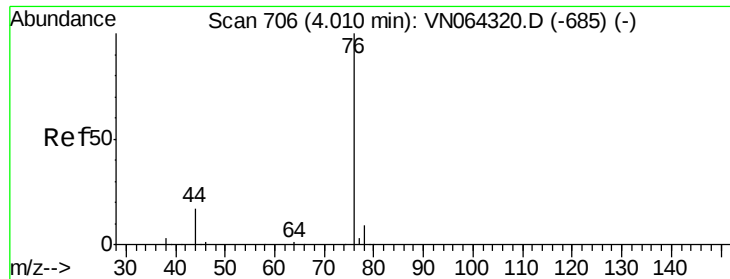
Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion:	43	Resp:	118857
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.1	33.1





#17

Carbon Disulfide

Concen: 16.928 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 76 Resp: 113468

Ion Ratio Lower Upper

76 100

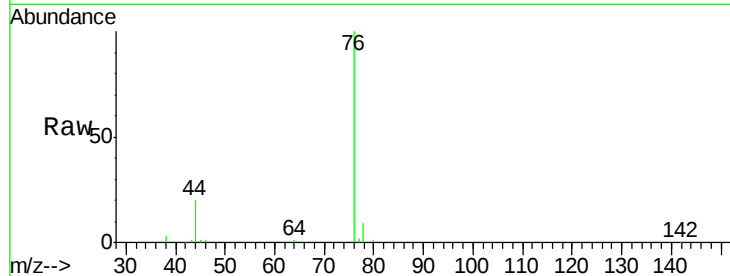
78 8.6 7.3 10.9

Manual Integrations

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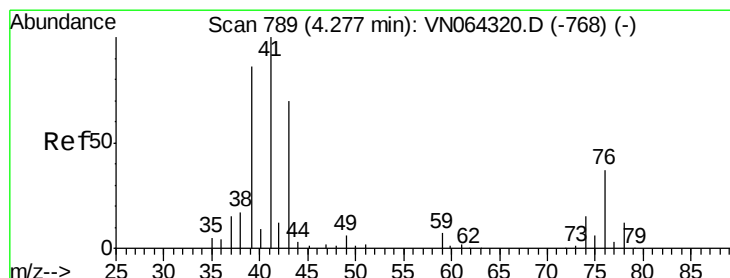
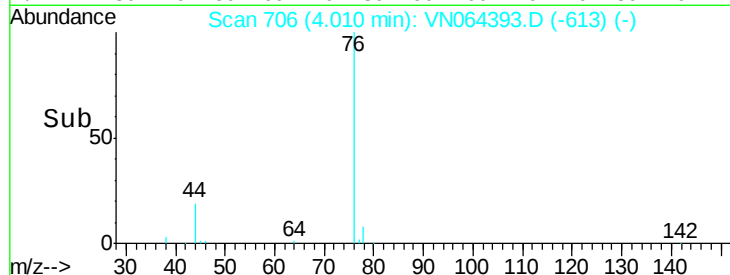
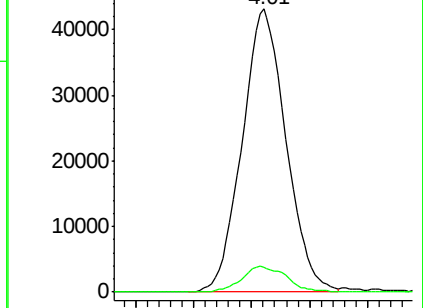
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Abundance Ion 75.90 (75.60 to 76.60): VN064320.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN064320.D (-685) (-)



#18

Methyl Acetate

Concen: 18.905 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.01 min

Lab File: VN064393.D

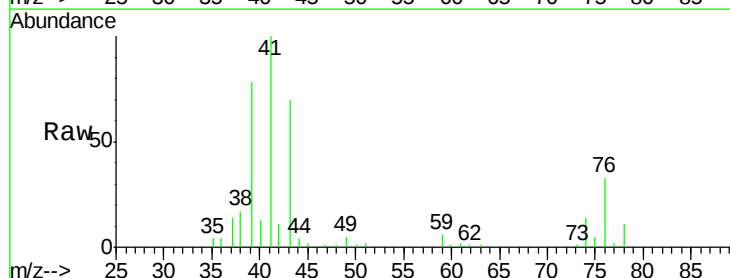
Acq: 30 Oct 2020 12:25

Tgt Ion: 43 Resp: 54116

Ion Ratio Lower Upper

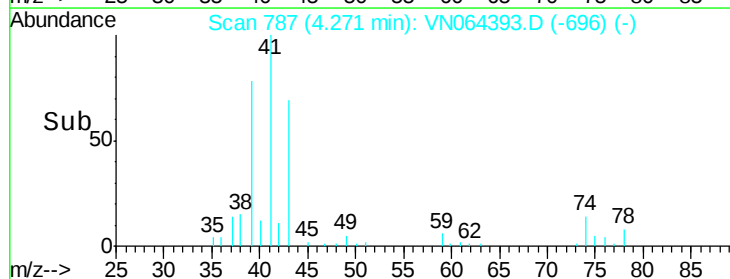
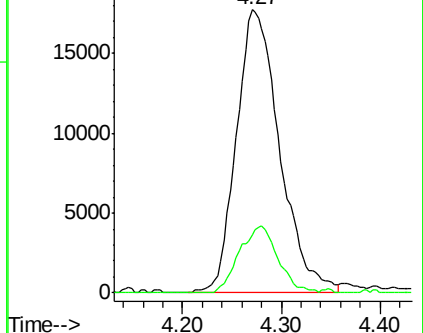
43 100

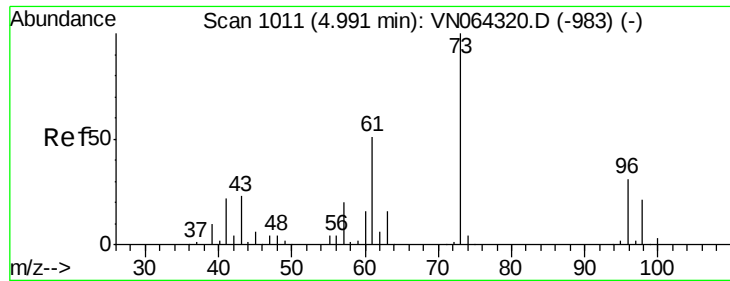
74 21.0 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VN064393.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN064393.D (-696) (-)





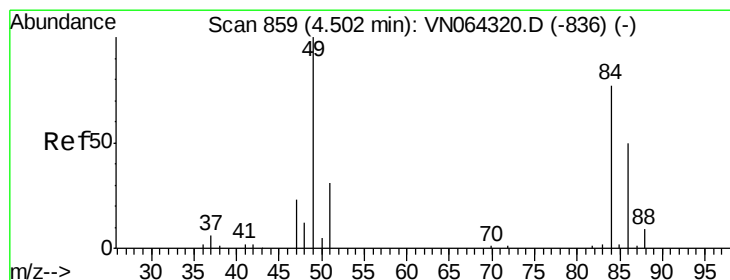
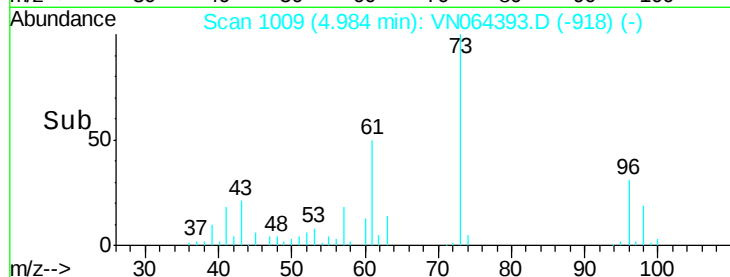
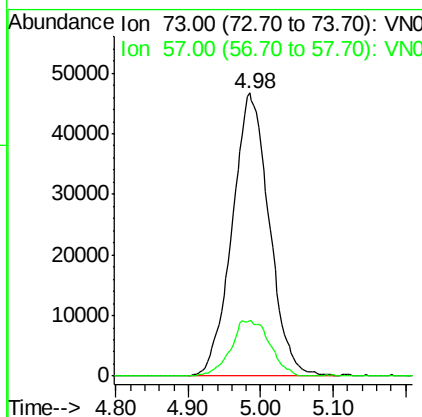
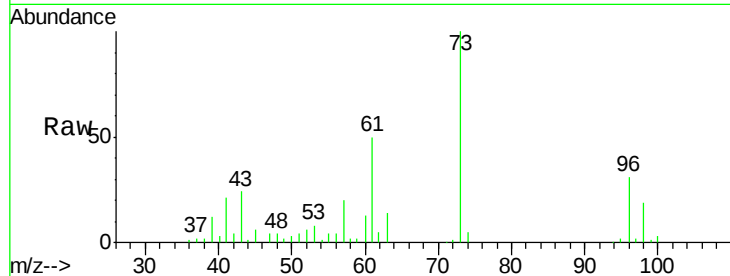
#19
Methvl tert-butvl Ether
Concen: 19.050 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion: 73 Resp: 165825
Ion Ratio Lower Upper
73 100
57 19.7 16.1 24.1

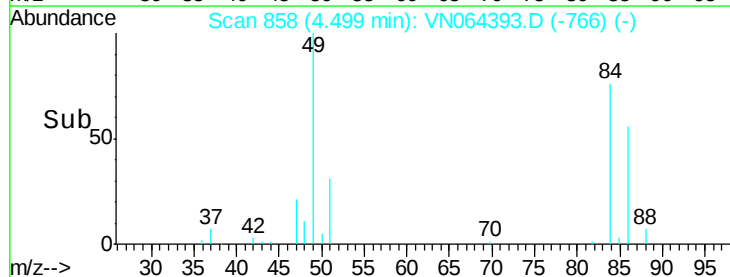
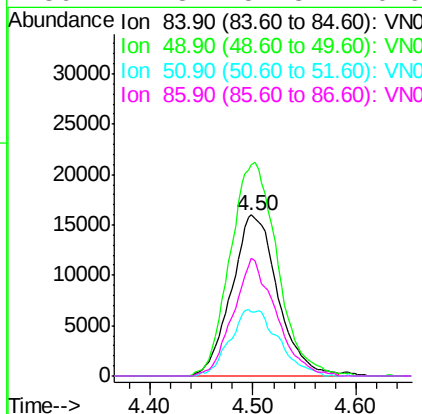
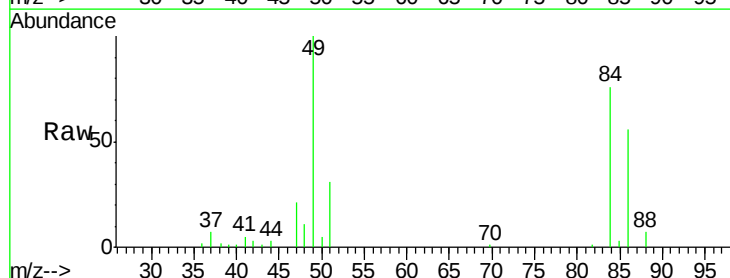
Manual Integrations
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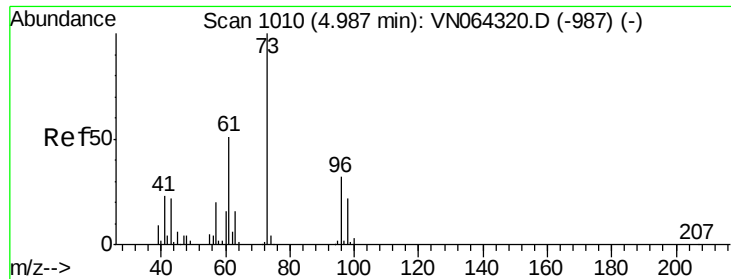
MMDadoda
11/2/2020 4:11:36 PM



#20
Methylene Chloride
Concen: 18.413 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion: 84 Resp: 49761
Ion Ratio Lower Upper
84 100
49 131.1 103.6 155.4
51 40.1 31.8 47.8
86 72.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 17.668 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 96 Resp: 44653

Ion Ratio Lower Upper

96 100

61 159.8 128.2 192.2

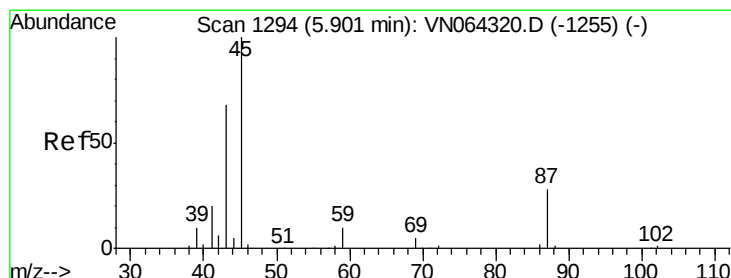
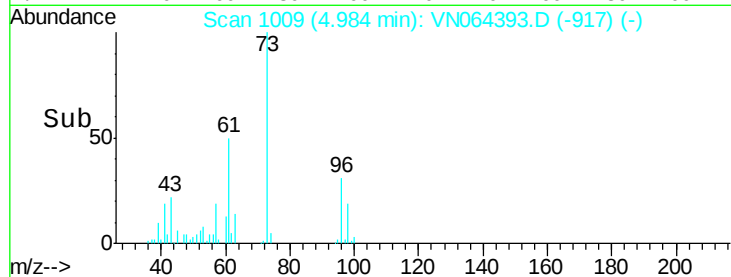
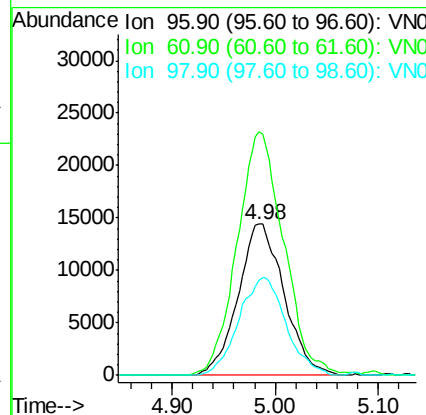
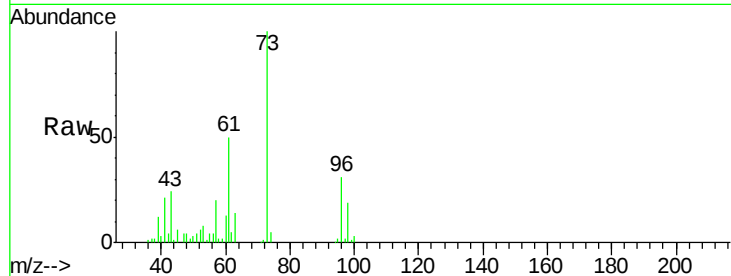
98 62.8 56.1 84.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.346 ug/l

RT: 5.89 min Scan# 1292

Delta R.T. -0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion: 45 Resp: 174929

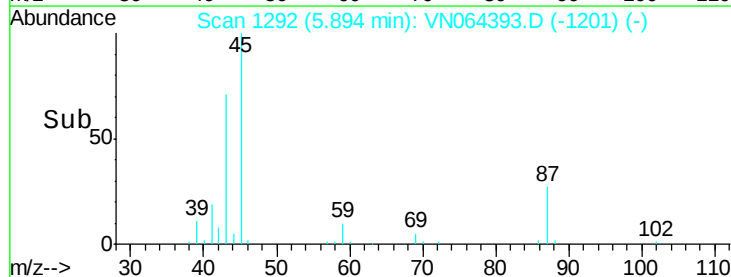
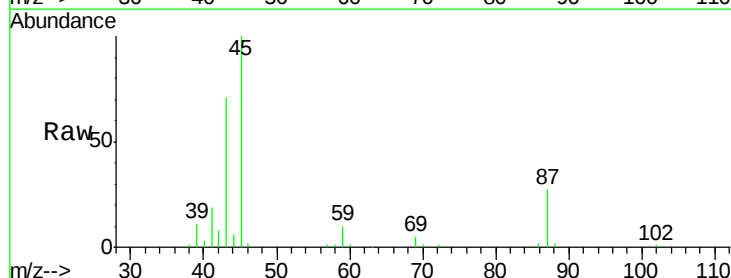
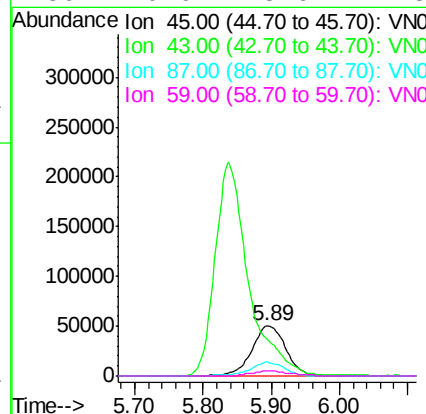
Ion Ratio Lower Upper

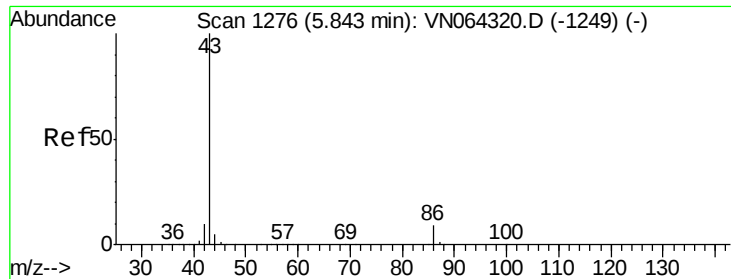
45 100

43 68.2 54.6 82.0

87 26.9 22.6 33.8

59 9.9 8.6 12.8





#23

Vinyl Acetate

Concen: 95.280 ug/l

RT: 5.84 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 43 Resp: 728864

Ion Ratio Lower Upper

43 100

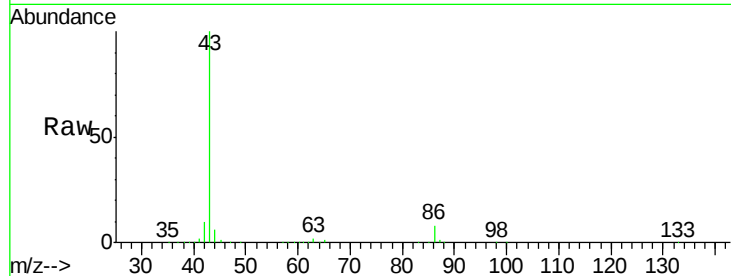
86 8.1 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

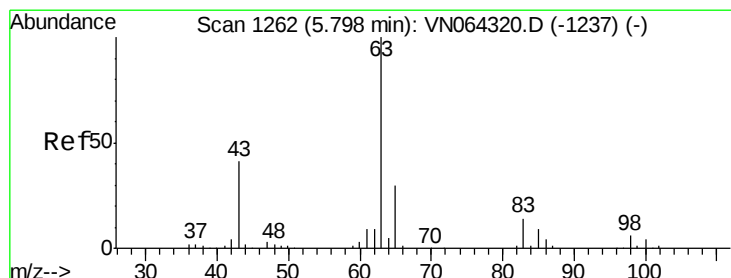
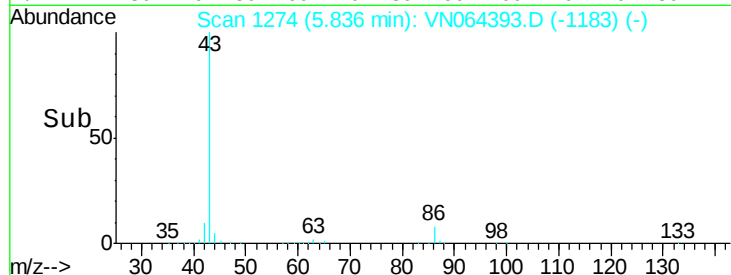
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.339 ug/l

RT: 5.79 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

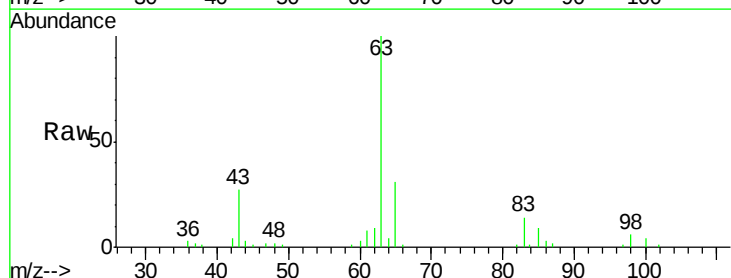
Tgt Ion: 63 Resp: 92787

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

40000

30000

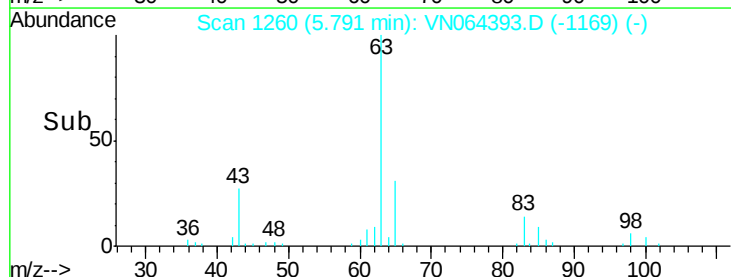
20000

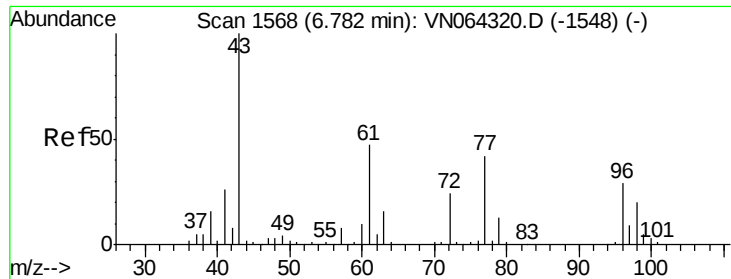
10000

0

5.70 5.80 5.90

Time-->





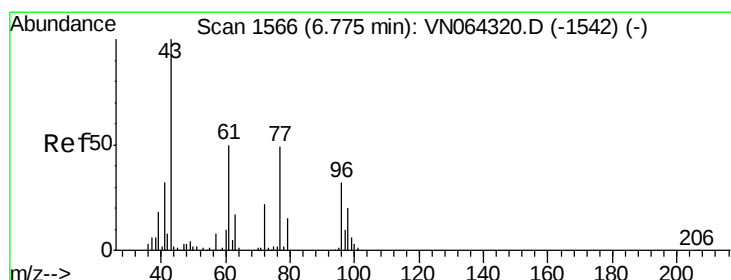
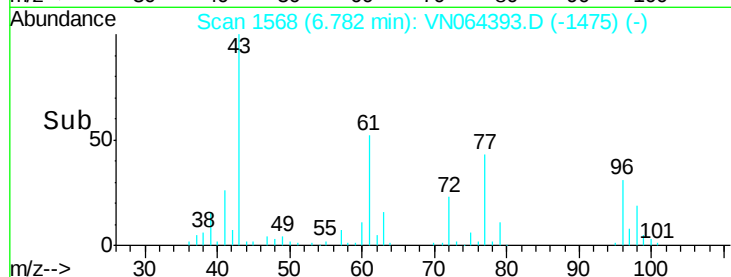
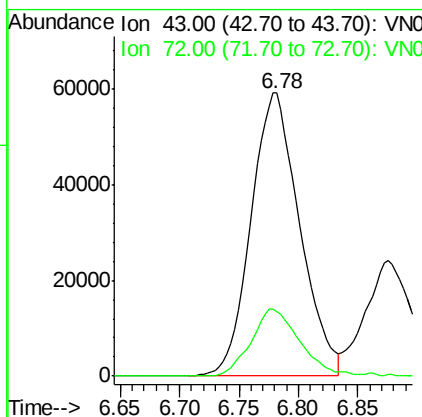
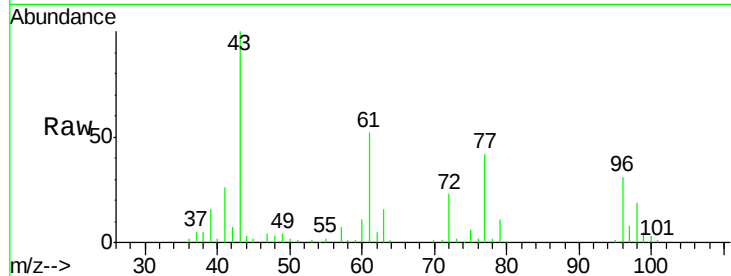
#25
2-Butanone
Concen: 87.545 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion: 43 Resp: 167504
Ion Ratio Lower Upper
43 100
72 22.9 18.8 28.2

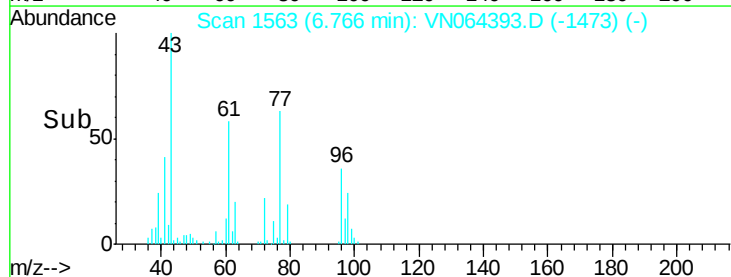
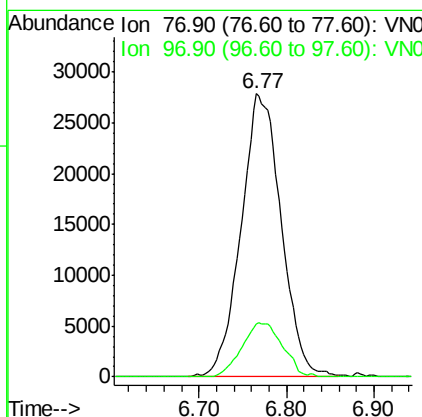
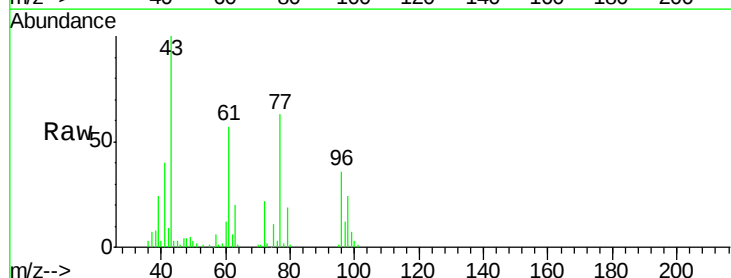
Manual Integrations
APPROVED

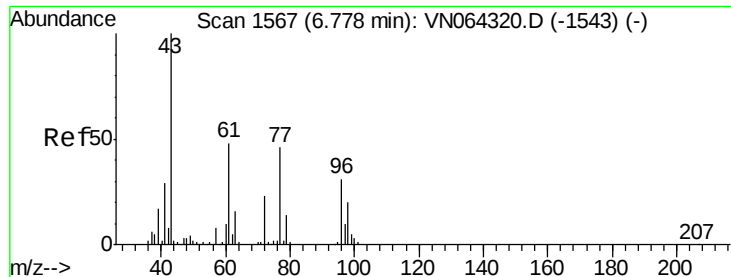
MMDadoda
11/2/2020 4:11:36 PM



#26
2,2-Dichloropropane
Concen: 17.924 ug/l
RT: 6.77 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion: 77 Resp: 88755
Ion Ratio Lower Upper
77 100
97 19.2 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 19.006 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

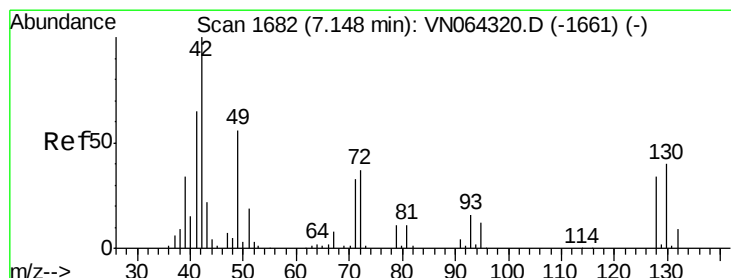
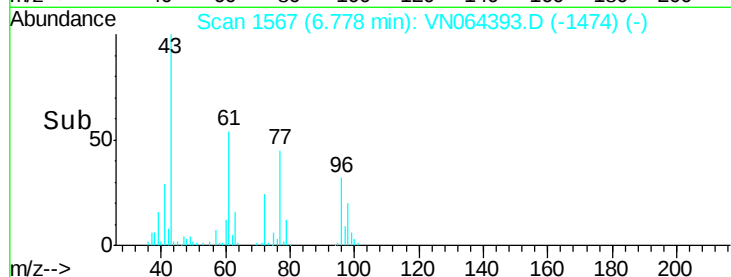
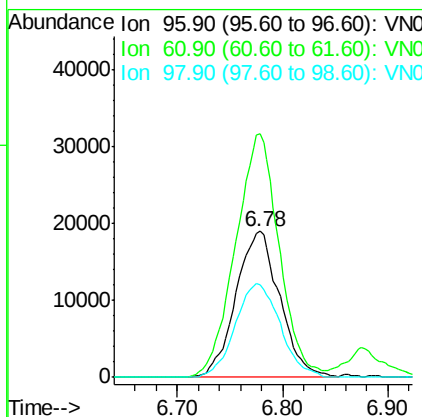
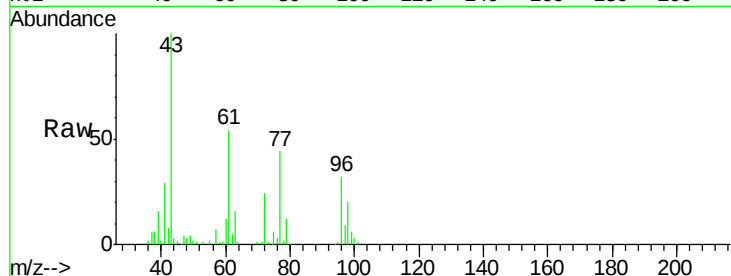
ClientSampleId :

VN1030WBSD01

Tot Ion:	96	Resp:	54972
Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	325.0
98	65.7	0.0	128.4

Manual Integrations
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11/2/2020 4:11:36 PM



#28

Bromochloromethane

Concen: 17.323 ug/l

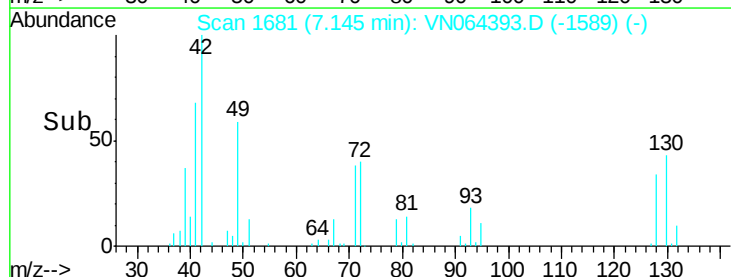
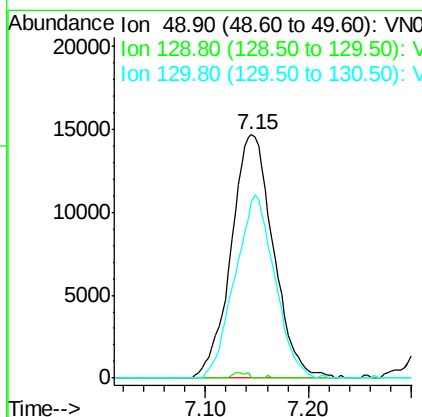
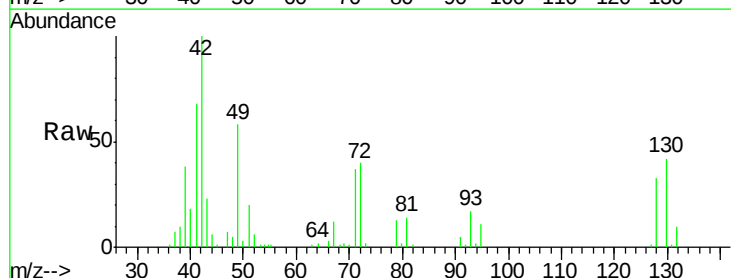
RT: 7.15 min Scan# 1681

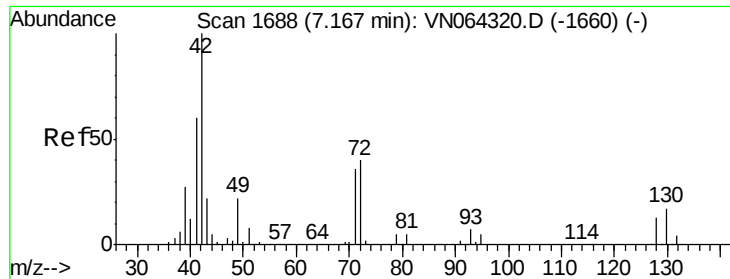
Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion:	49	Resp:	41760
Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	2.8
130	70.6	56.2	84.2





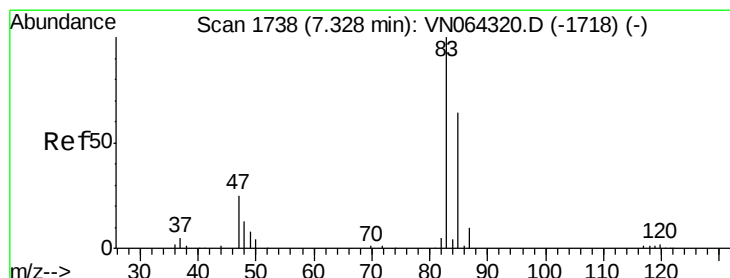
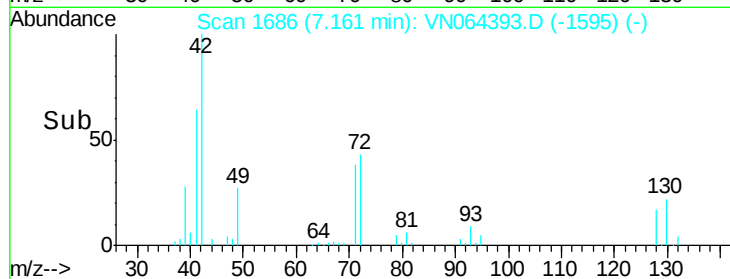
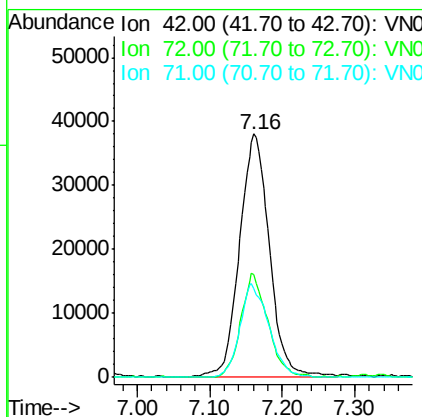
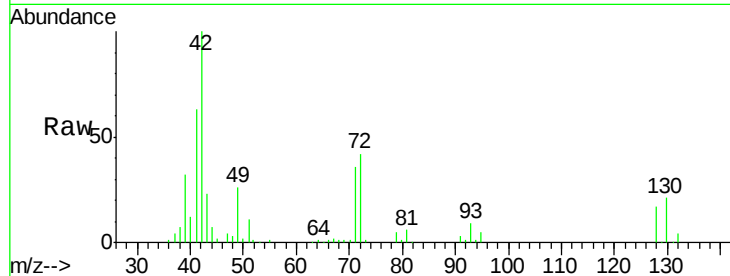
#29
Tetrahydrofuran
Concen: 88.110 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	31.6	47.4
71	37.1	29.4	44.0

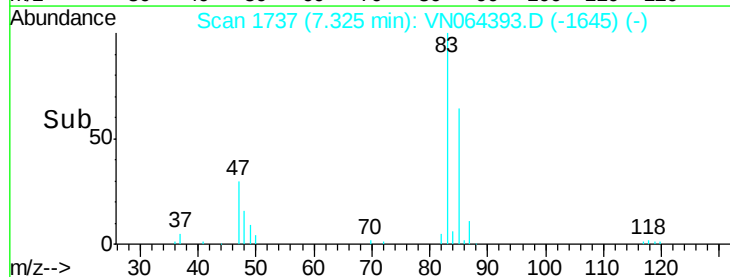
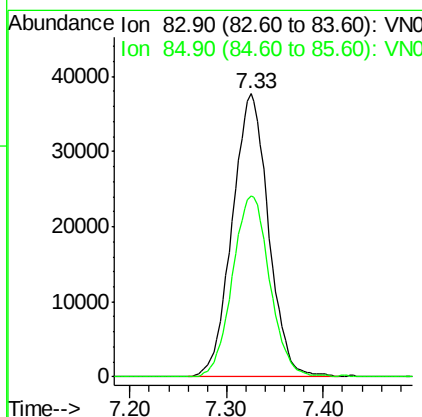
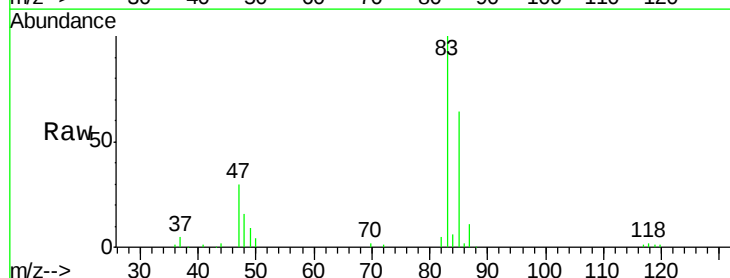
Manual Integrations
APPROVED

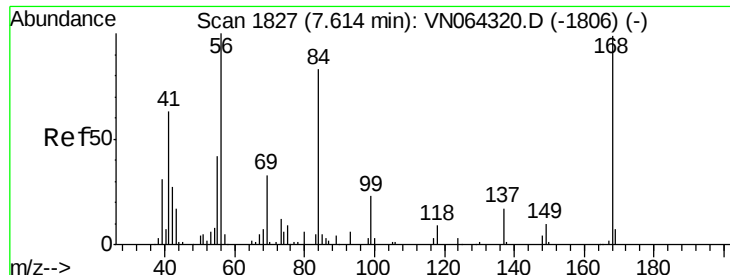
MMDadoda
11/2/2020 4:11:36 PM



#30
Chloroform
Concen: 18.178 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





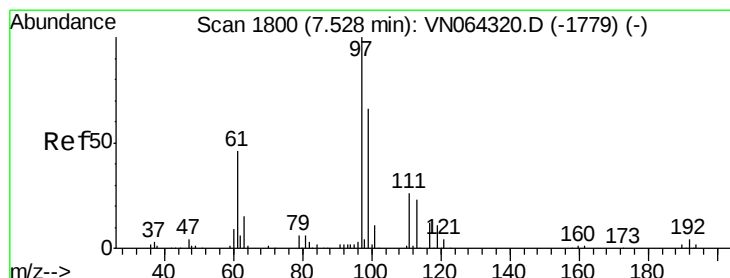
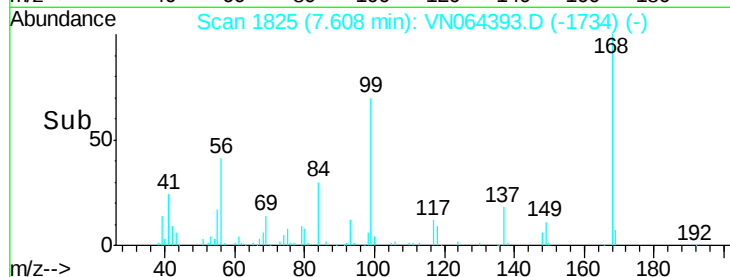
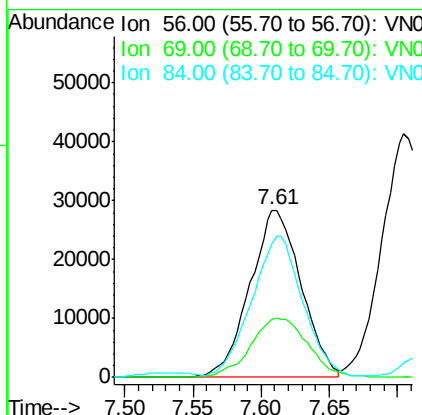
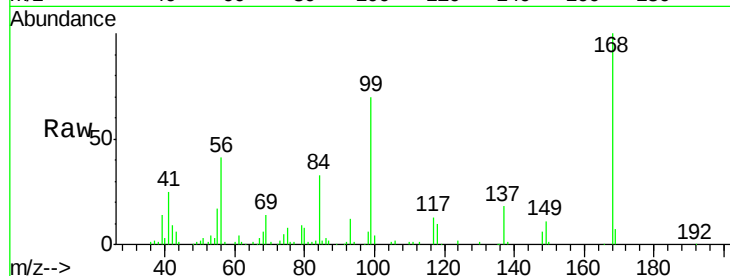
#31
Cyclohexane
Concen: 16.722 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.8	38.8
84	77.0	66.3	99.5

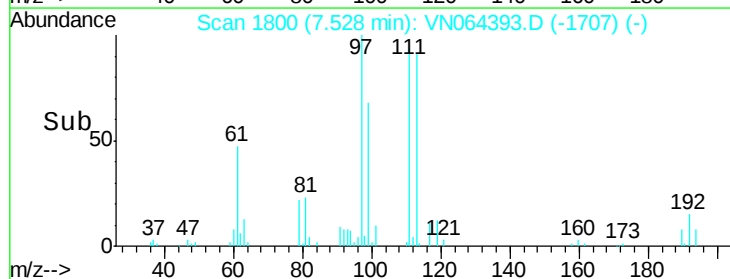
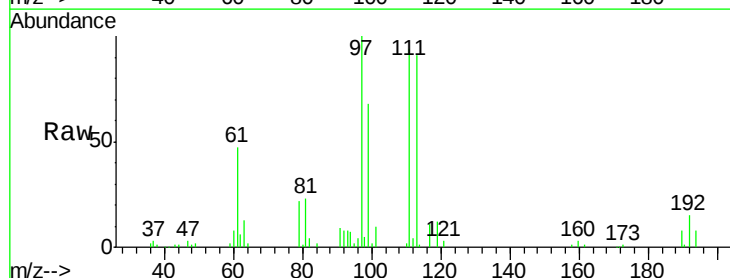
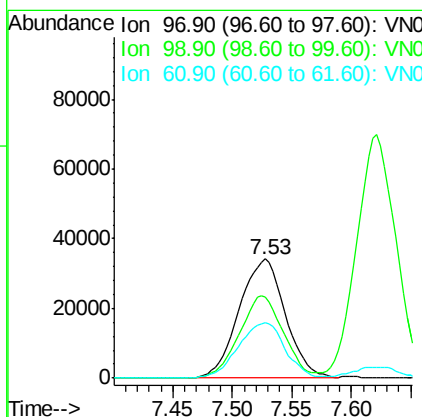
Manual Integrations
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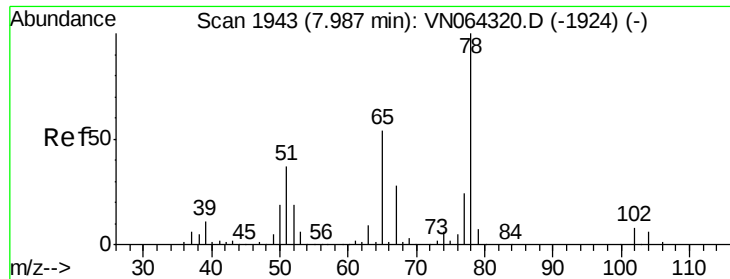
MMDadoda
11/2/2020 4:11:36 PM



#32
1,1,1-Trichloroethane
Concen: 17.736 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.6	76.0
61	47.0	35.8	53.6





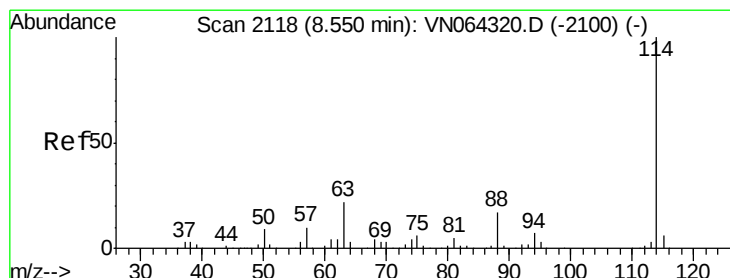
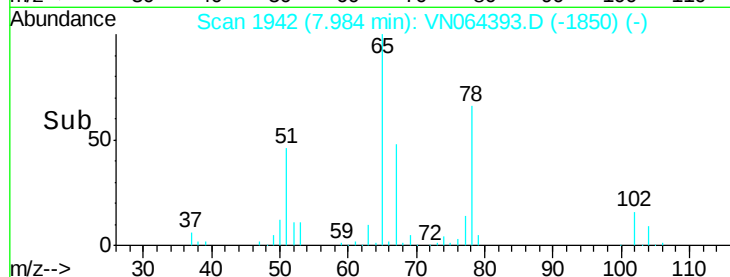
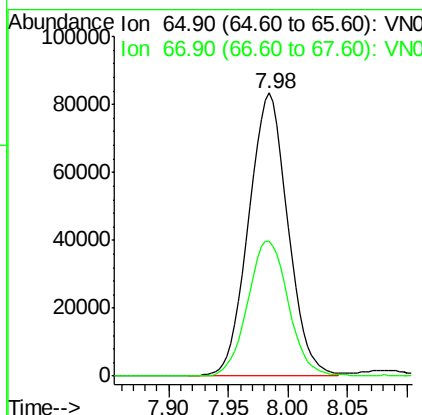
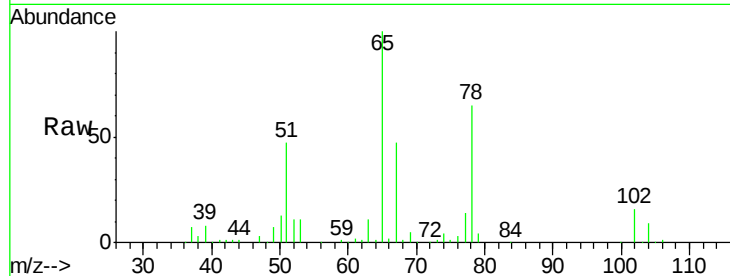
#33
 1,2-Dichloroethane-d4
 Concen: 50.089 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190873		
67	49.2	0.0	99.2	

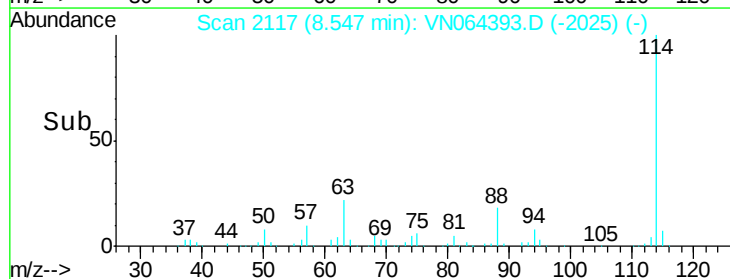
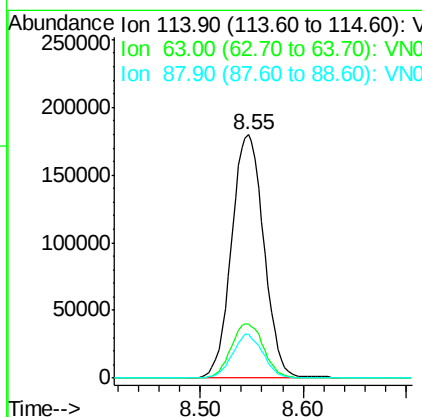
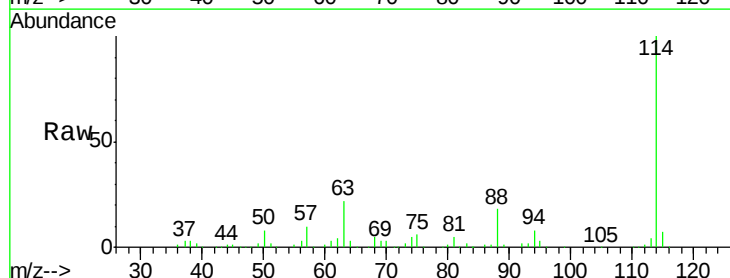
Manual Integrations
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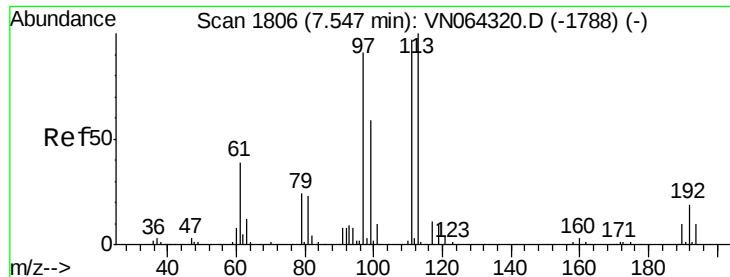
MMDadoda
 11/2/2020 4:11:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	392221		
63	22.1	0.0	44.6	
88	17.8	0.0	33.4	





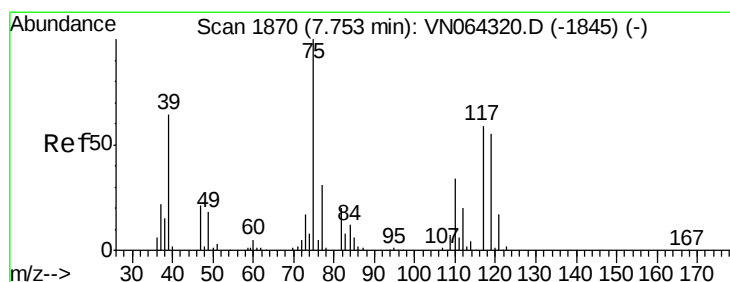
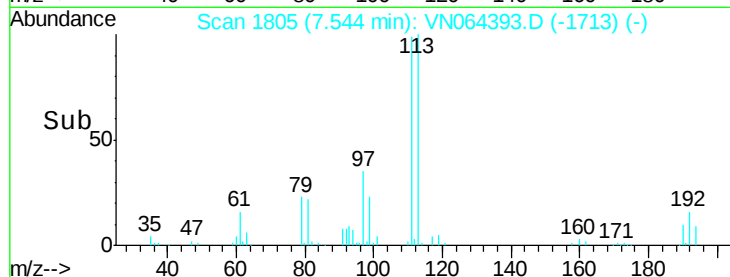
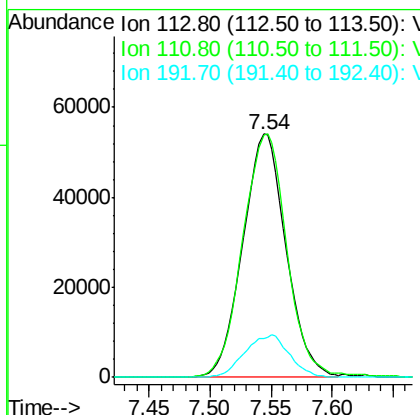
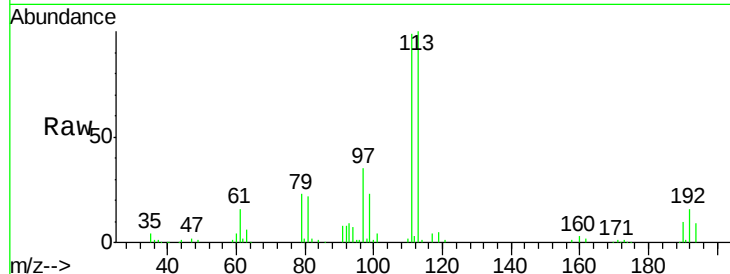
#35
 Dibromofluoromethane
 Concen: 50.672 ug/l
 RT: 7.54 min Scan# 1805
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.5	122.3
192	17.9	15.0	22.4

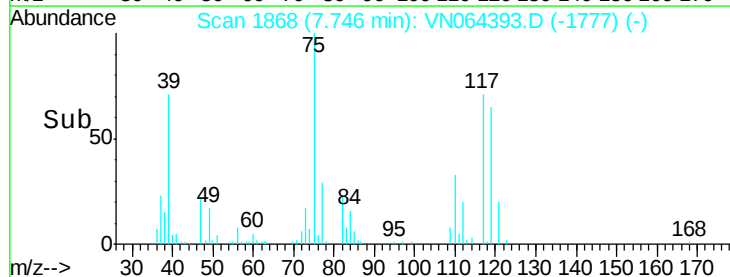
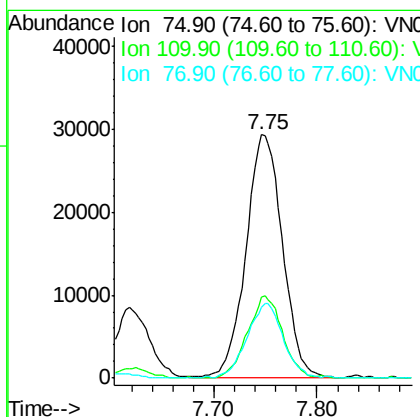
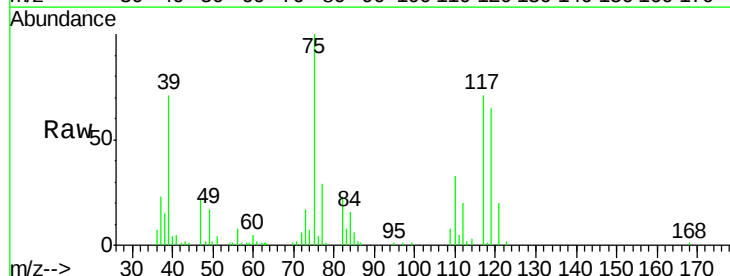
Manual Integrations
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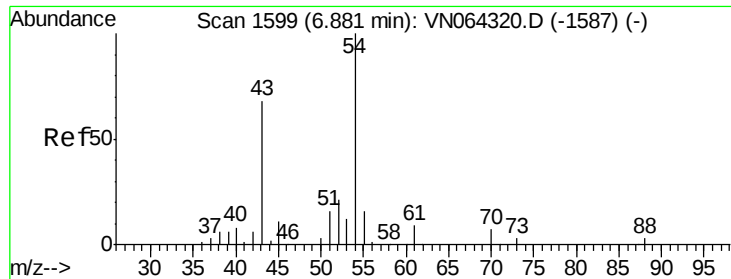
MMDadoda
 11/2/2020 4:11:36 PM



#36
 1,1-Dichloropropene
 Concen: 18.291 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	16.8	50.3
77	30.1	24.2	36.4





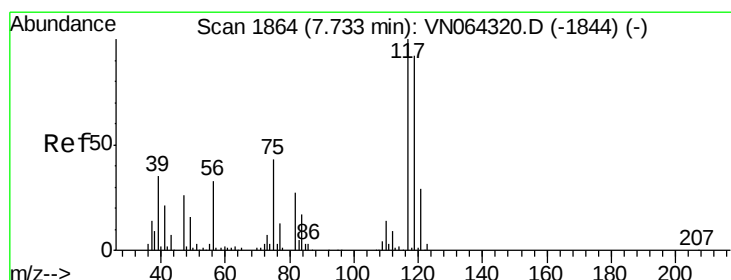
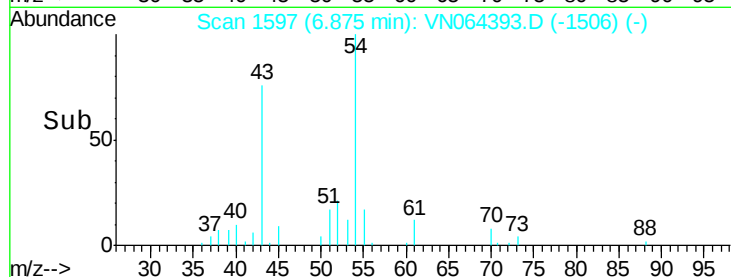
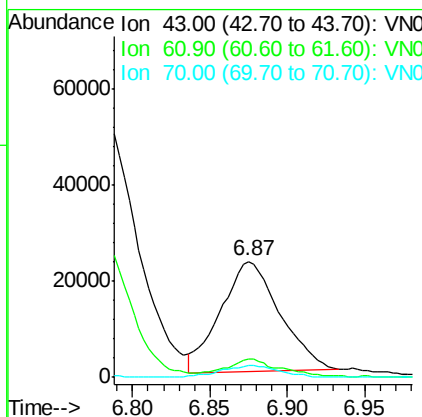
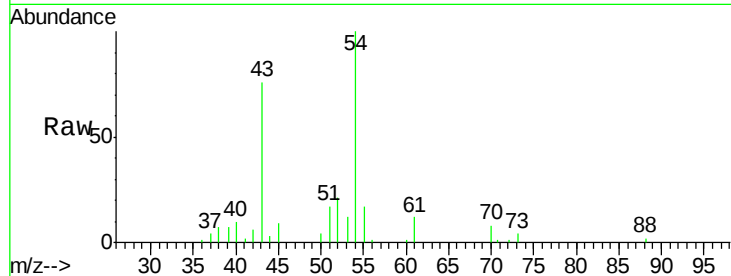
#37
Ethyl Acetate
Concen: 15.334 ug/l
RT: 6.87 min Scan# 1597
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	43	Resp	61310
Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.0	15.0
70	10.6	7.1	10.7

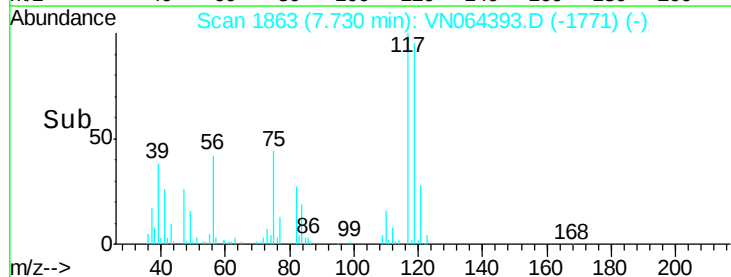
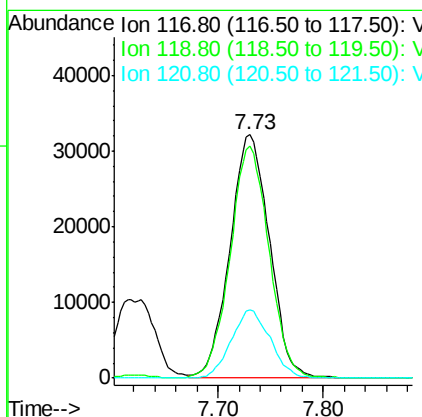
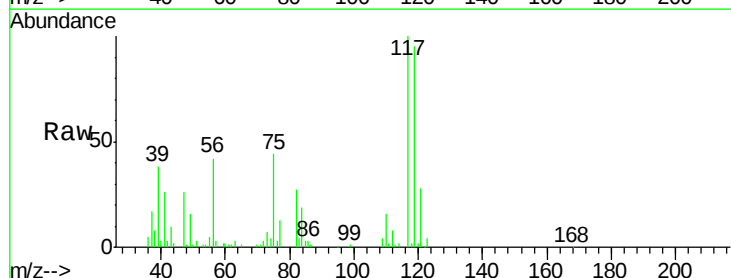
Manual Integrations
APPROVED

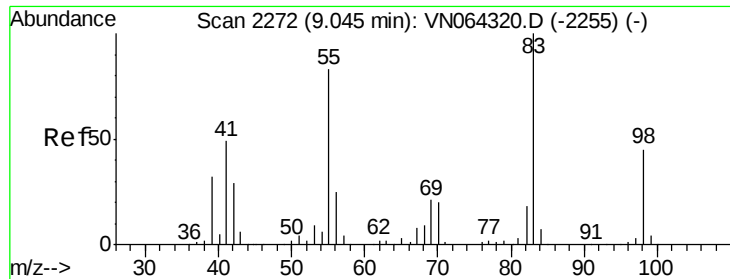
MMDadoda
11/2/2020 4:11:36 PM



#38
Carbon Tetrachloride
Concen: 18.265 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	117	Resp	83819
Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.7	110.5
121	28.1	22.8	34.2





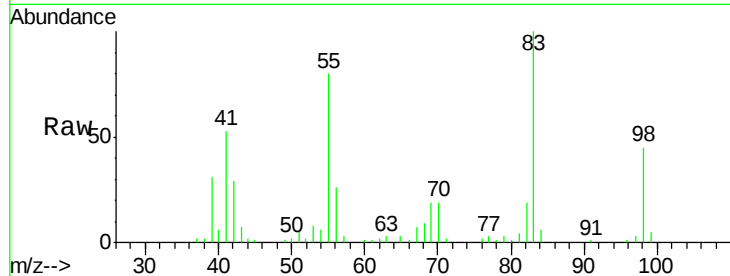
#39
Methylvlcyclohexane
Concen: 15.187 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	83	Resp	59610
Ion Ratio	Lower	Upper	
83	100		
55	79.6	66.2	99.4
98	45.0	36.0	54.0

Manual Integrations
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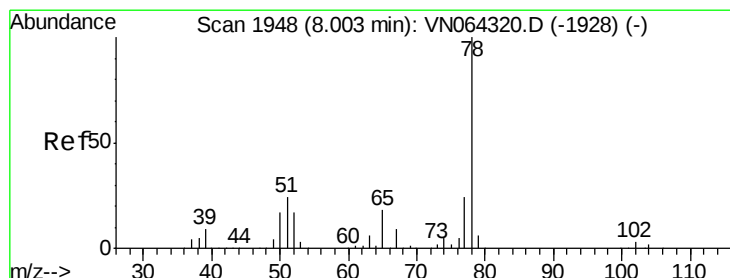
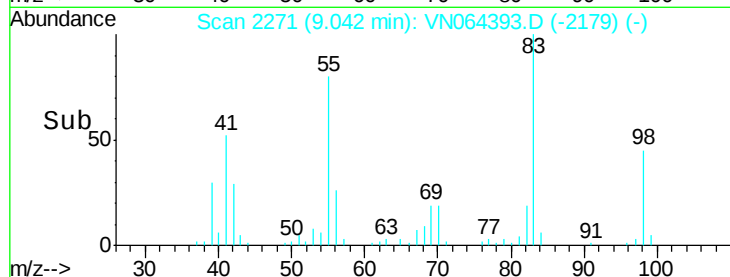
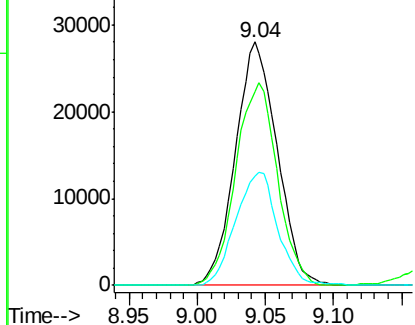
MMDadoda
11/2/2020 4:11:36 PM



Abundance Ion 83.00 (82.70 to 83.70): VN064320.D (-2255) (-)

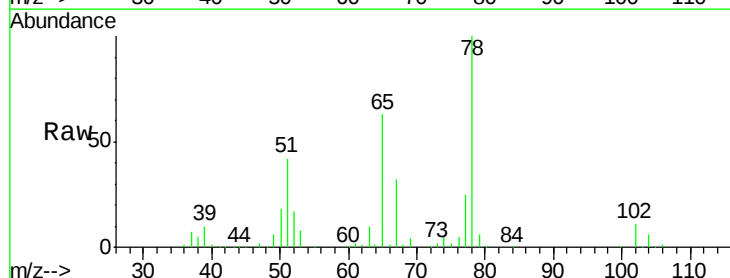
Ion 55.00 (54.70 to 55.70): VN064320.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN064320.D (-2255) (-)



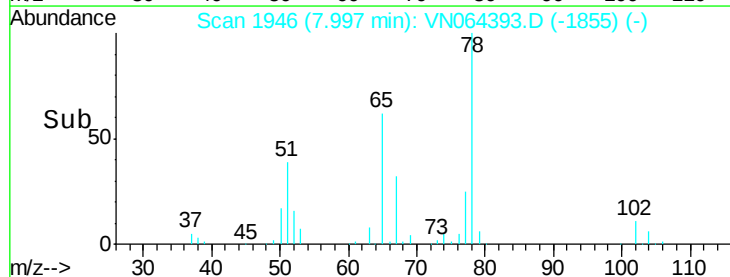
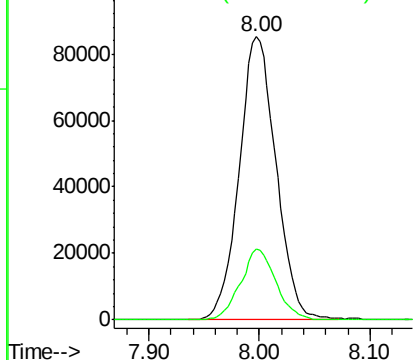
#40
Benzene
Concen: 17.872 ug/l
RT: 8.00 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

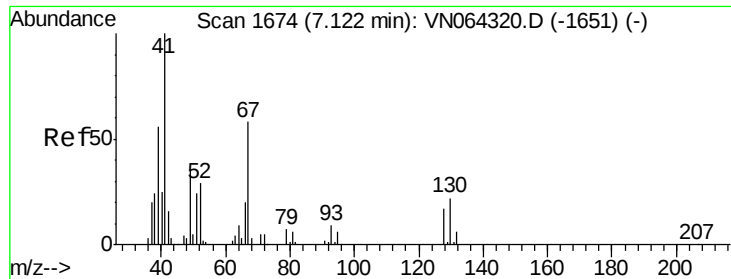
Tgt Ion	78	Resp	196915
Ion Ratio	Lower	Upper	
78	100		
77	25.0	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN064320.D (-1928) (-)

Ion 77.00 (76.70 to 77.70): VN064320.D (-1928) (-)





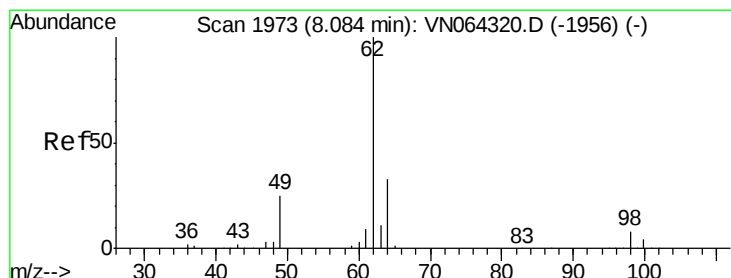
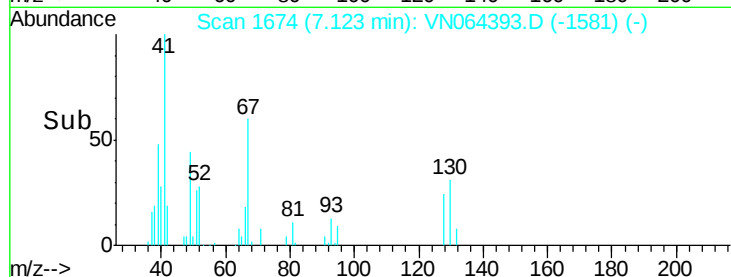
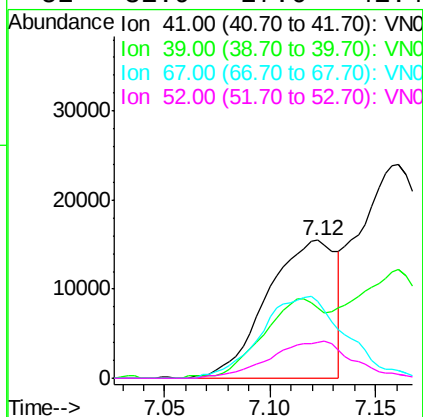
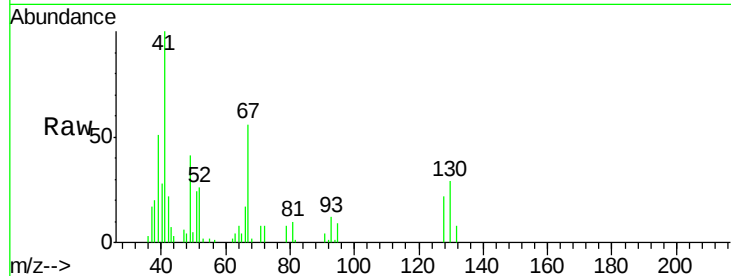
#41
Methacrylonitrile
Concen: 17.732 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampled :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.0	48.6	72.8
67	72.5	61.4	92.2
52	31.9	27.6	41.4

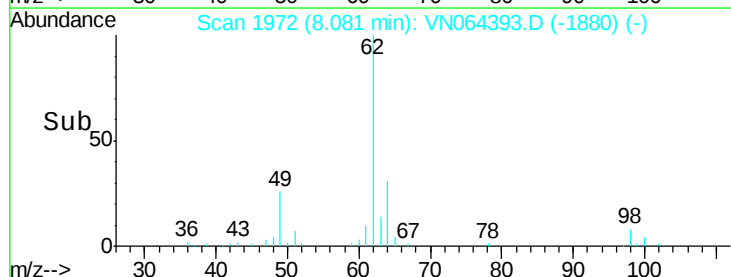
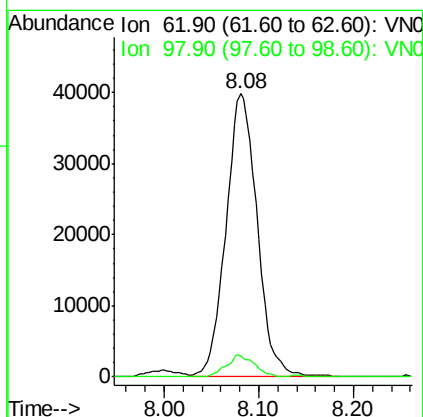
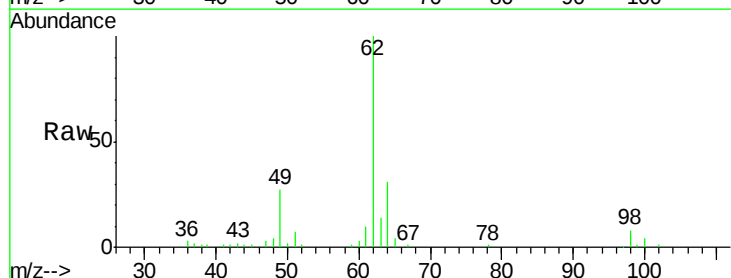
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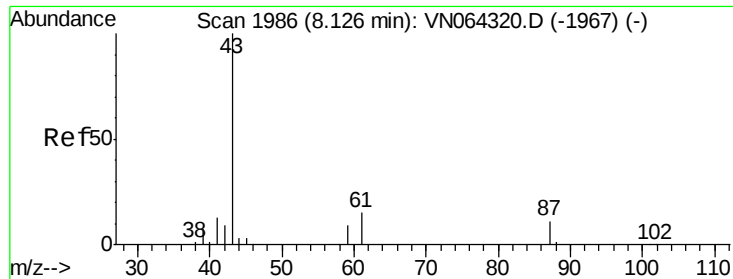
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#42
1,2-Dichloroethane
Concen: 19.177 ug/l
RT: 8.08 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	14.2





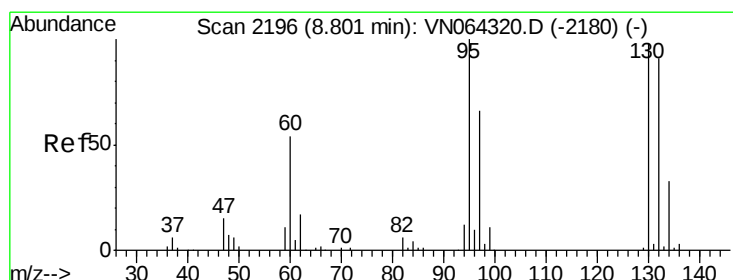
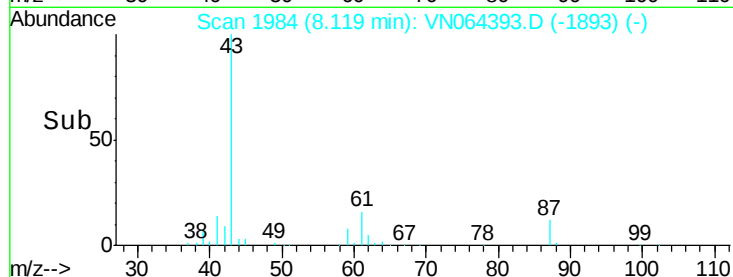
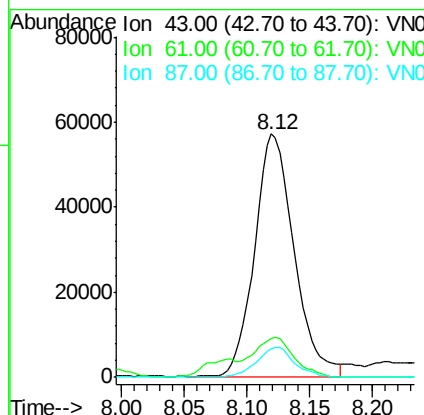
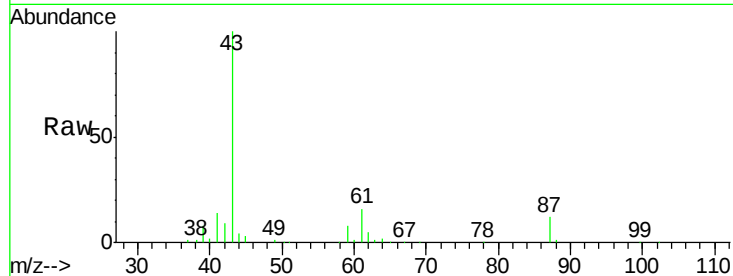
#43
Isopropyl Acetate
Concen: 18.323 ug/l
RT: 8.12 min Scan# 1984
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	43	61	87
Resp	125240		
Ratio	100	16.9	11.8
Lower		19.1	9.3
Upper		28.7#	13.9

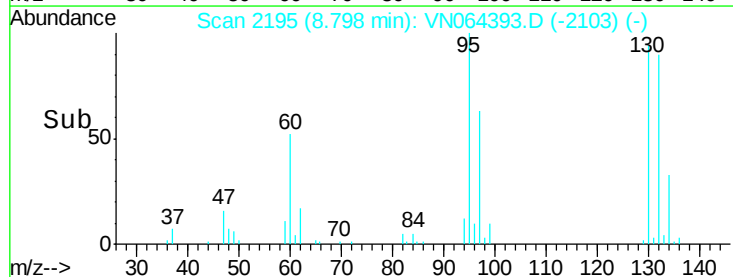
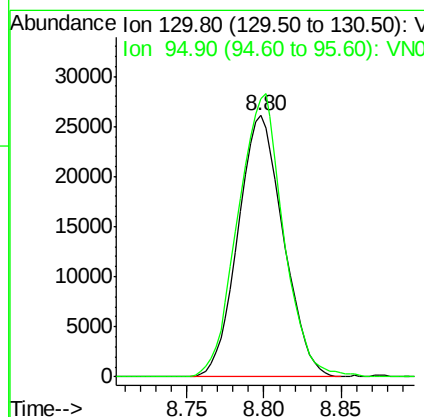
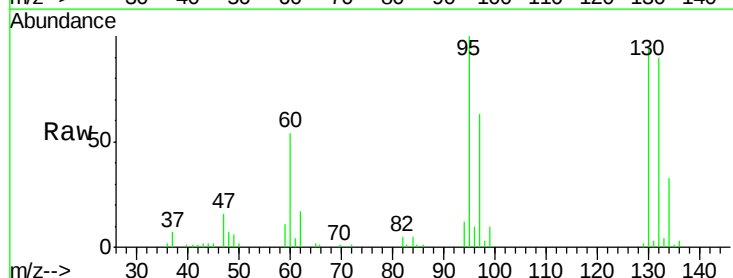
Manual Integrations
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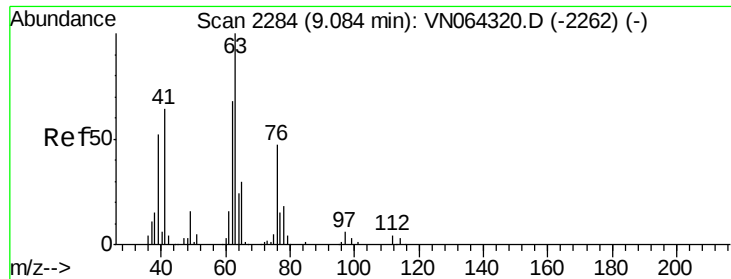
MMDadoda
11/2/2020 4:11:36 PM



#44
Trichloroethene
Concen: 18.371 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	130	95
Resp	53026	
Ratio	100	106.5
Lower		0.0
Upper		203.6





#45

1,2-Dichloropropane

Concen: 18.441 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 63 Resp: 54410

Ion Ratio Lower Upper

63 100

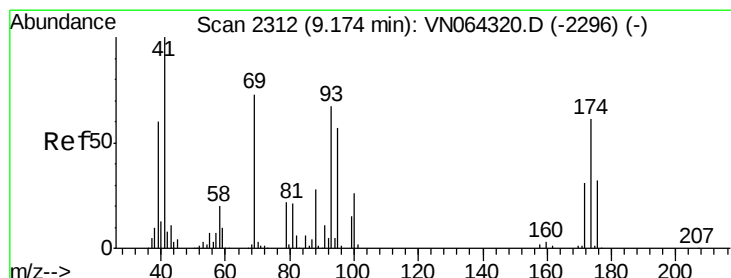
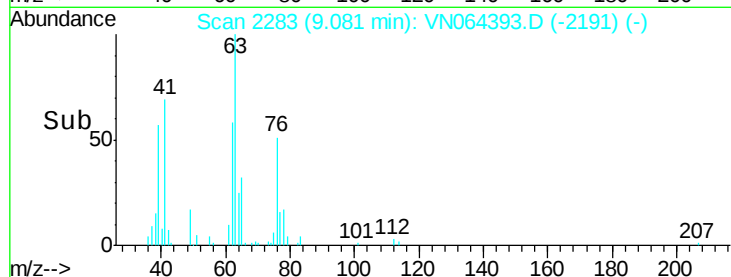
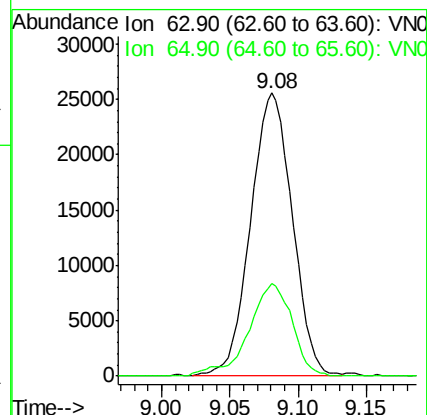
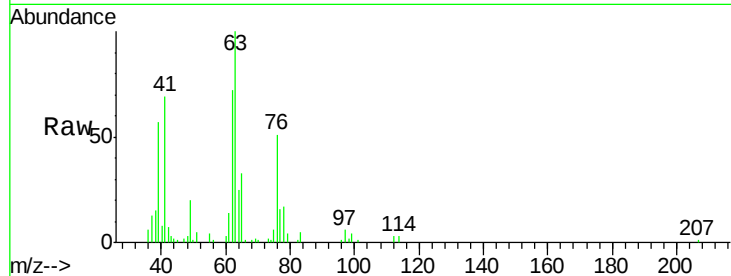
65 32.9 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 18.591 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

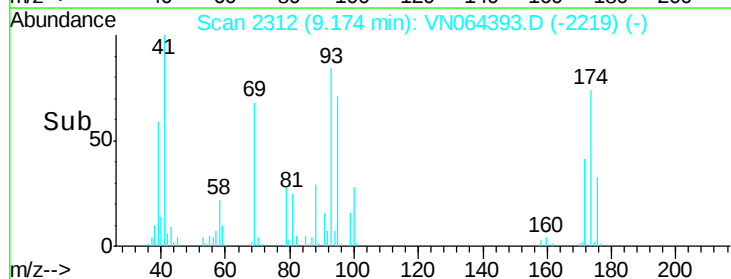
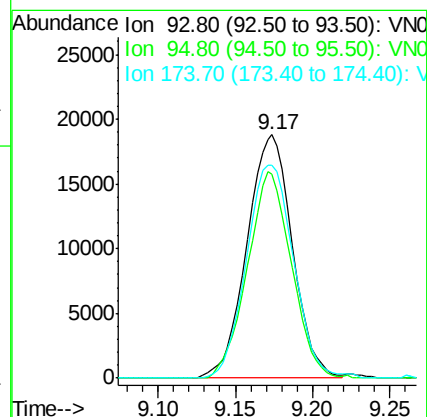
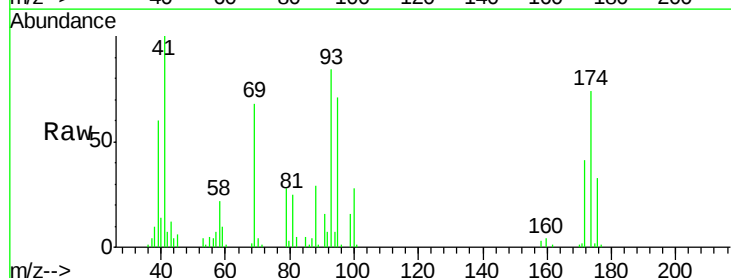
Tgt Ion: 93 Resp: 38374

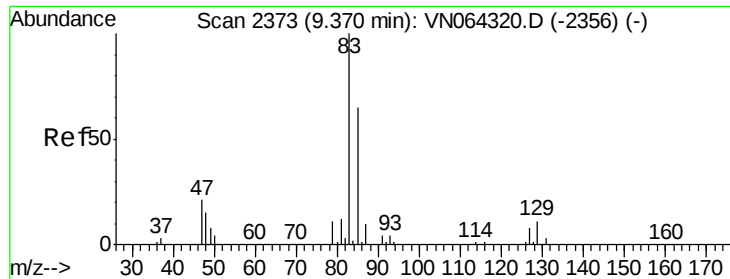
Ion Ratio Lower Upper

93 100

95 82.2 64.4 96.6

174 91.2 71.4 107.0





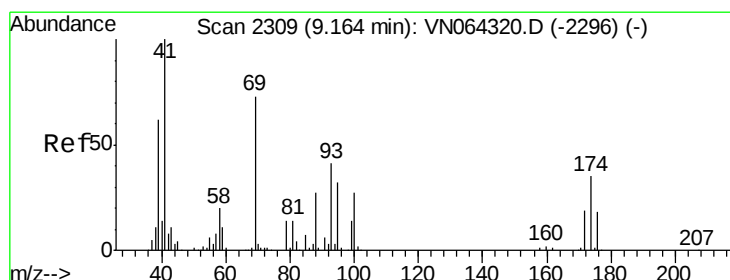
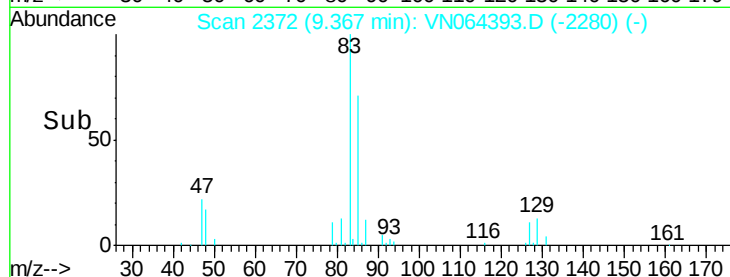
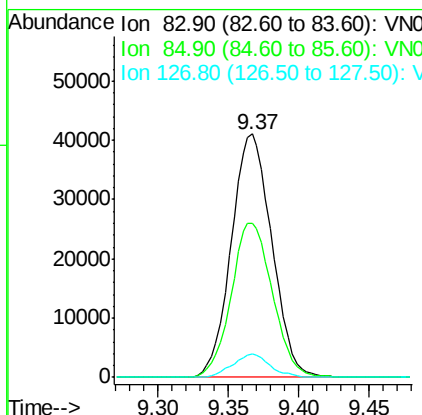
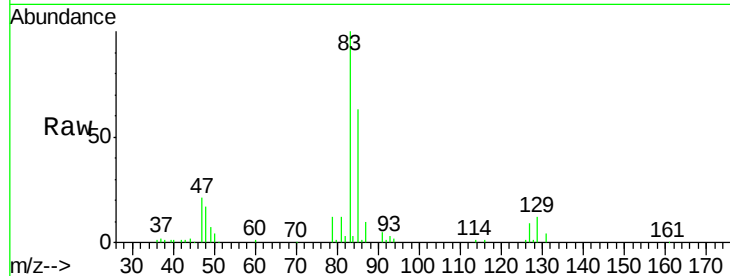
#47
Bromodichloromethane
Concen: 18.030 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.1	78.1
127	9.4	6.7	10.1

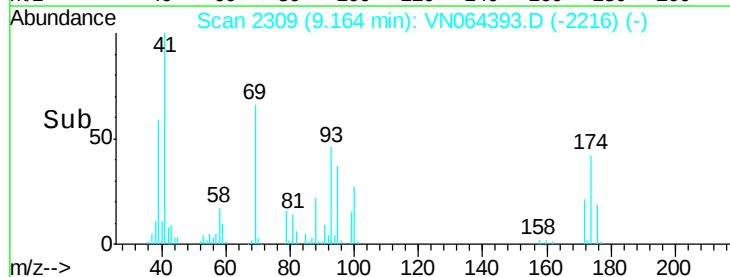
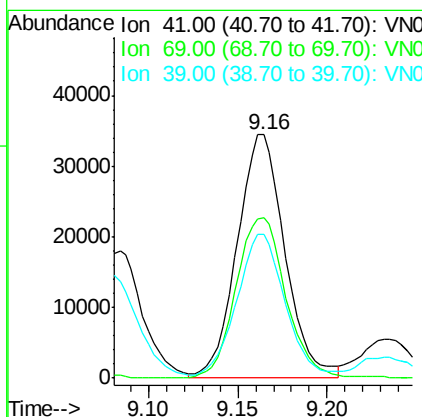
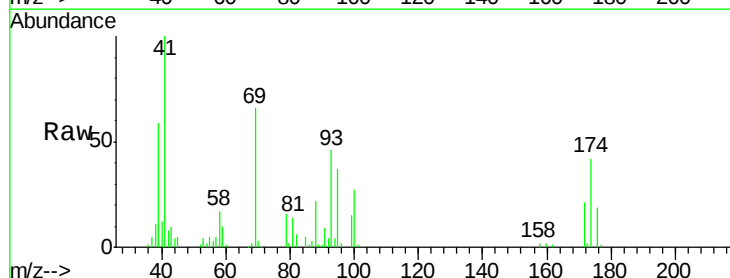
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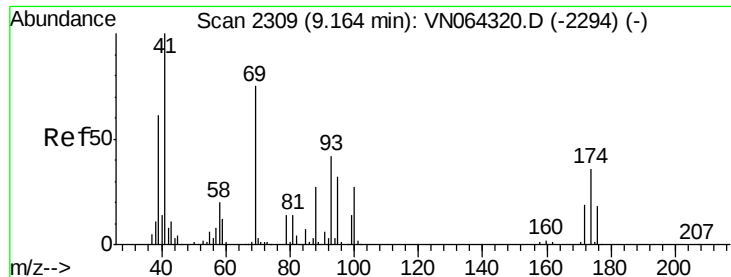
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#48
Methyl methacrylate
Concen: 18.184 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
41	100		
69	69.0	59.1	88.7
39	59.3	51.3	76.9





#49

1,4-Dioxane

Concen: 340.710 ug/l

RT: 9.16 min Scan# 2307

Delta R.T. -0.01 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 88 Resp: 17709

Ion Ratio Lower Upper

88 100

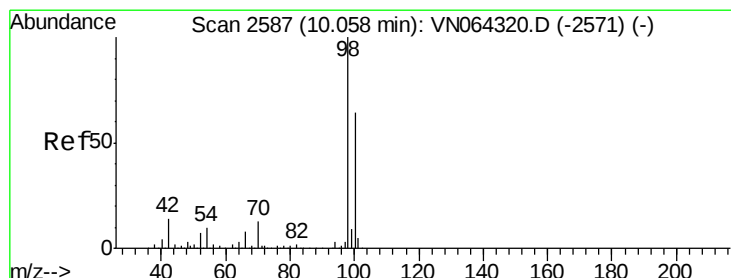
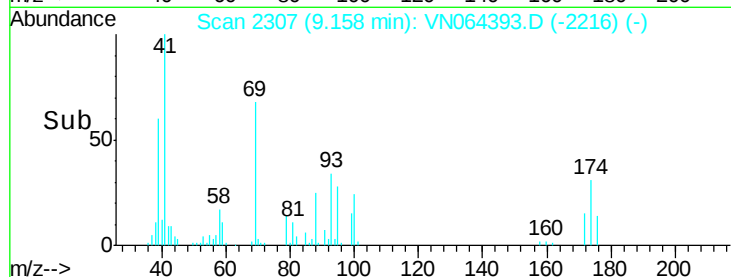
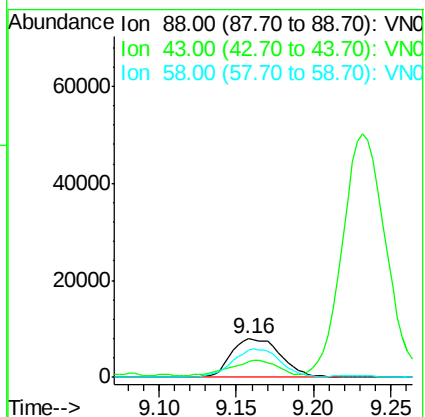
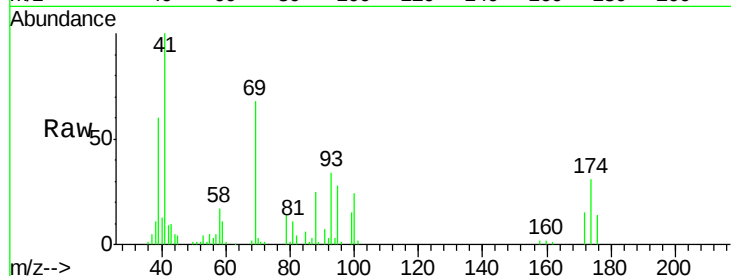
43 35.6 31.8 47.8

58 70.4 60.3 90.5

Manual Integrations
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#50

Toluene-d8

Concen: 48.923 ug/l

RT: 10.05 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN064393.D

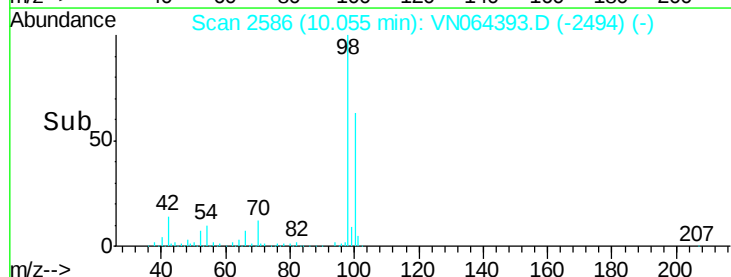
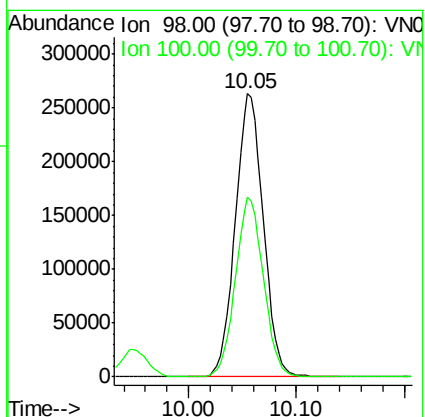
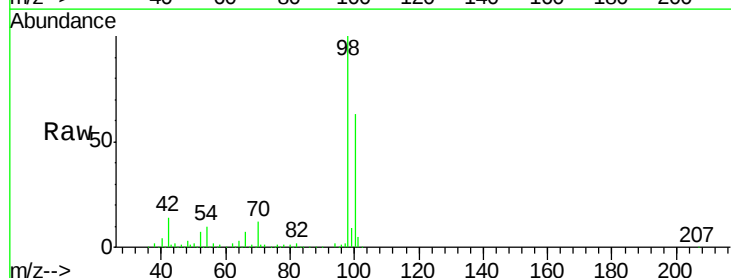
Acq: 30 Oct 2020 12:25

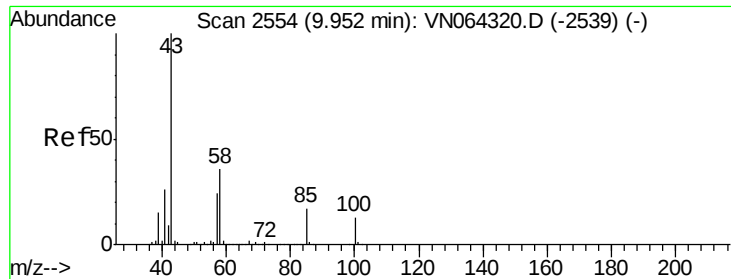
Tgt Ion: 98 Resp: 473329

Ion Ratio Lower Upper

98 100

100 63.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 88.692 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 43 Resp: 352377

Ion Ratio Lower Upper

43 100

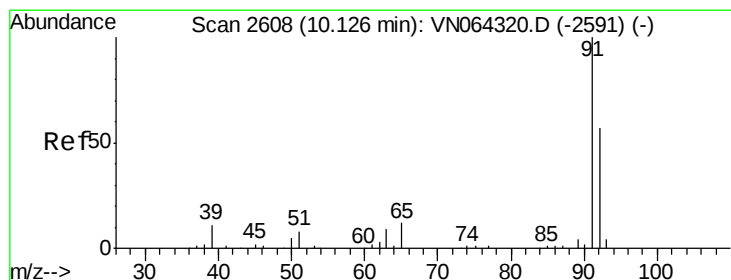
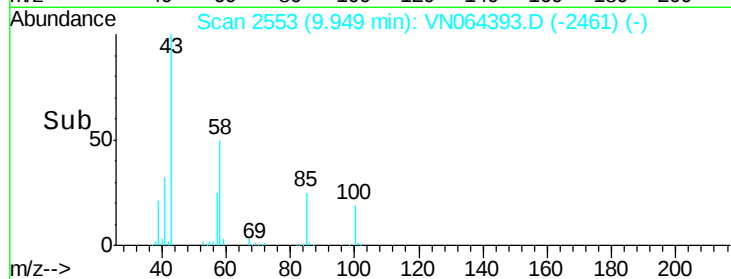
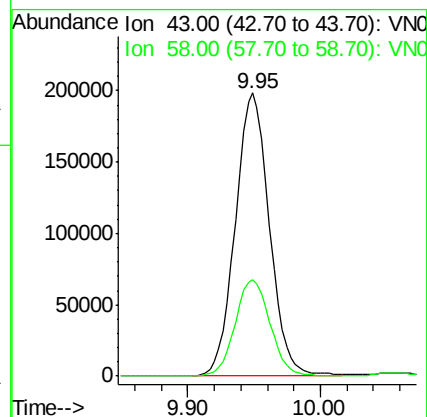
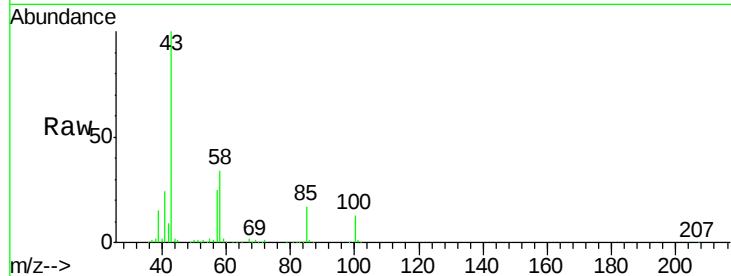
58 35.1 28.6 42.8

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#52

Toluene

Concen: 17.934 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064393.D

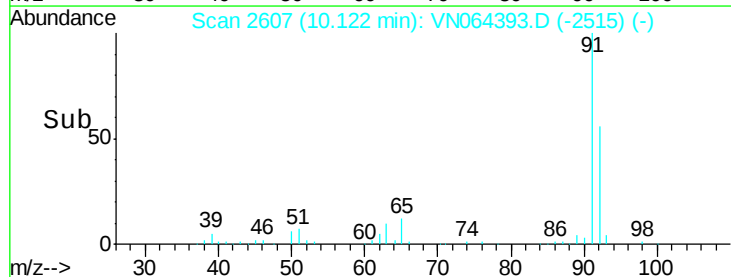
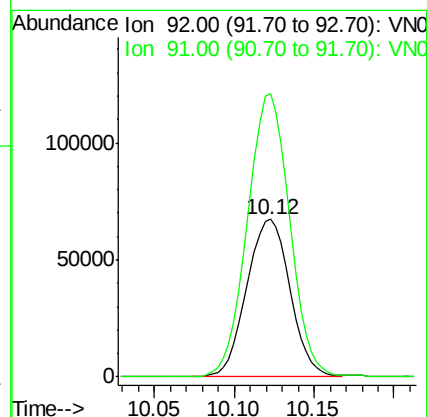
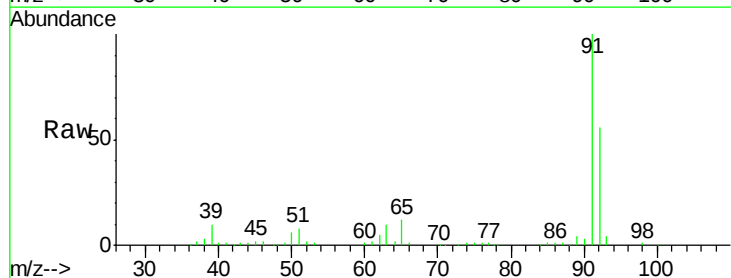
Acq: 30 Oct 2020 12:25

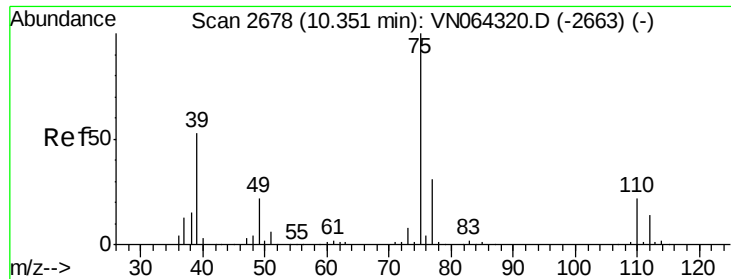
Tgt Ion: 92 Resp: 124691

Ion Ratio Lower Upper

92 100

91 175.7 139.9 209.9





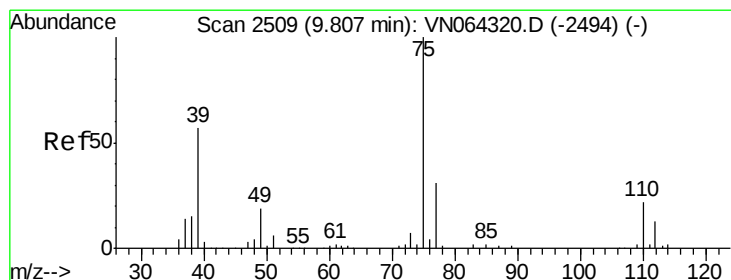
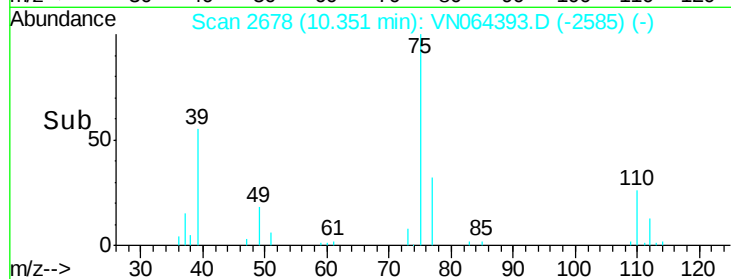
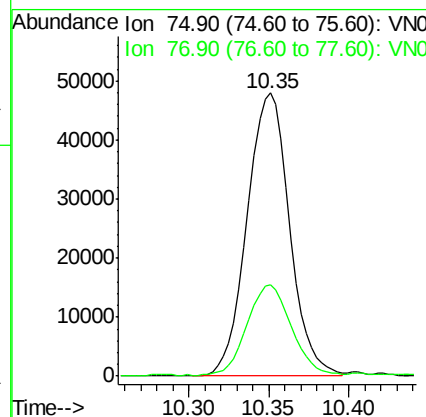
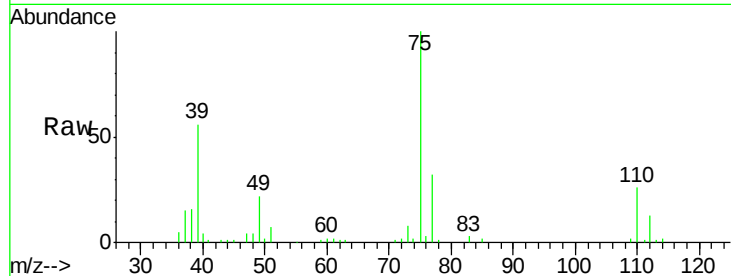
#53
t-1,3-Dichloropropene
Concen: 18.015 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion: 75 Resp: 87134
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2

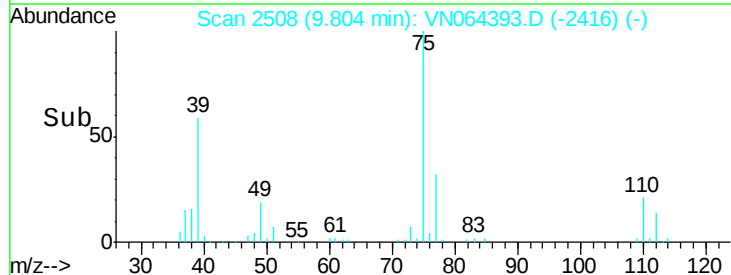
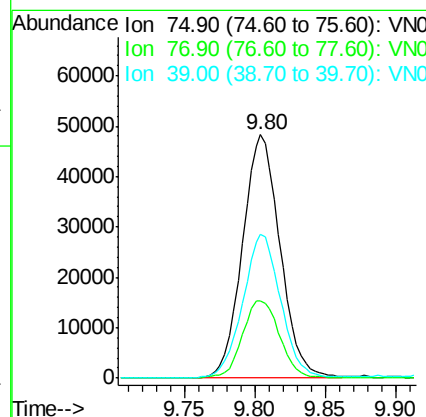
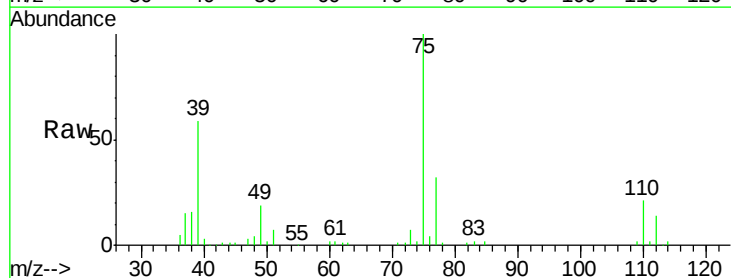
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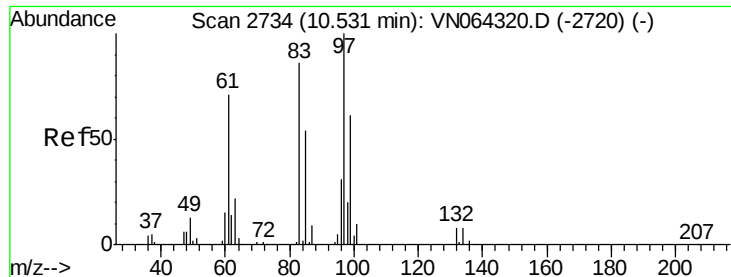
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#54
cis-1,3-Dichloropropene
Concen: 18.144 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion: 75 Resp: 90341
Ion Ratio Lower Upper
75 100
77 31.8 25.0 37.4
39 59.1 45.5 68.3





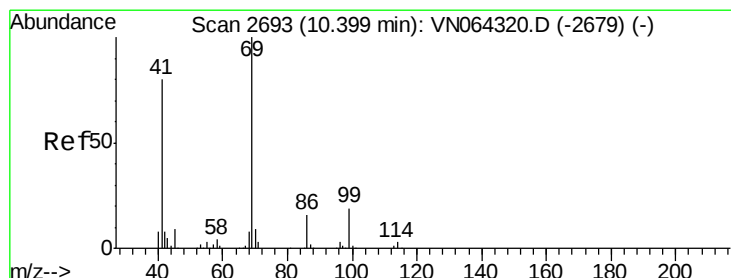
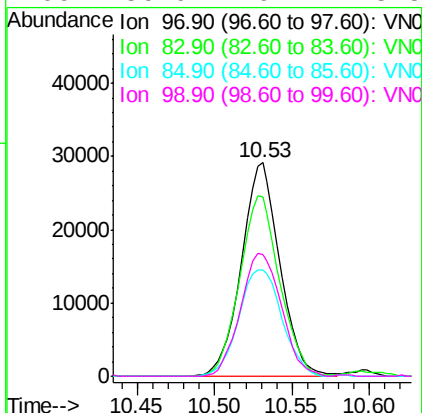
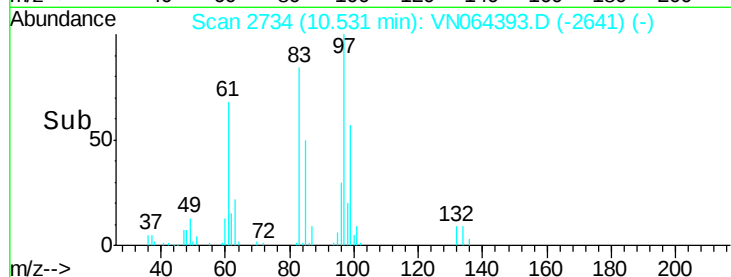
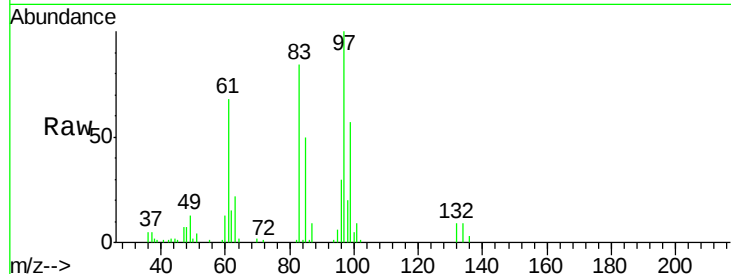
#55
 1,1,2-Trichloroethane
 Concen: 18.431 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion:	97	Resp:	50584
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.9	103.3
85	49.6	43.6	65.4
99	56.9	49.2	73.8

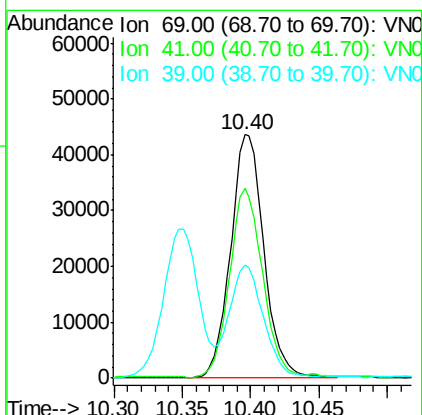
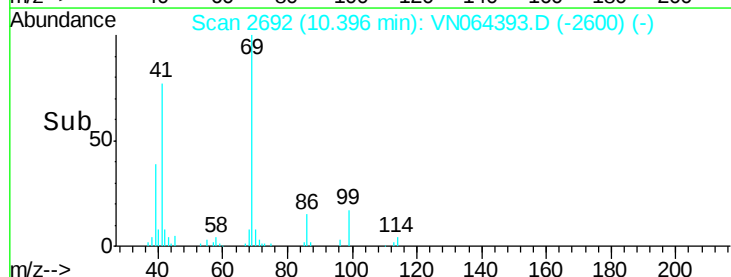
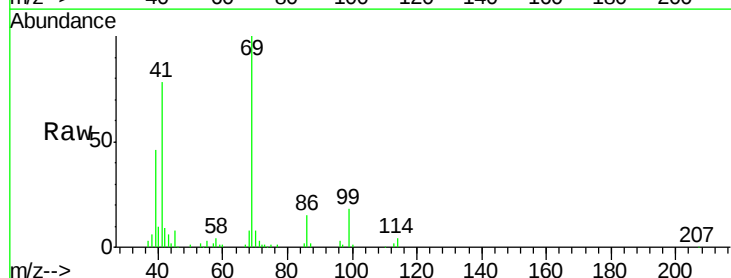
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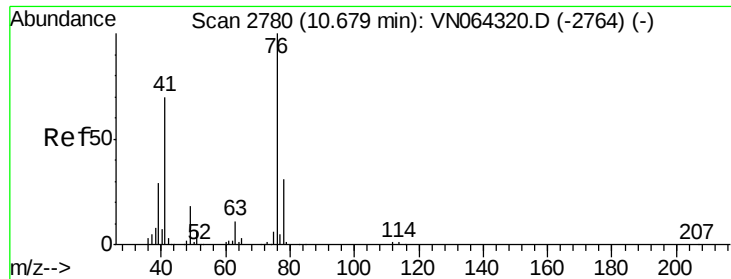
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#56
 Ethyl methacrylate
 Concen: 17.829 ug/l
 RT: 10.40 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion:	69	Resp:	74073
Ion	Ratio	Lower	Upper
69	100		
41	76.2	61.4	92.2
39	47.2	36.5	54.7





#57

1,3-Dichloropropane

Concen: 18.766 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 76 Resp: 87857

Ion Ratio Lower Upper

76 100

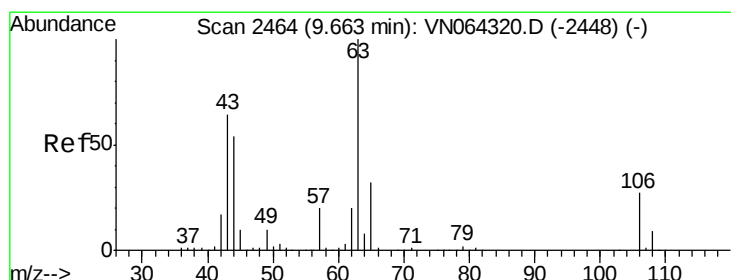
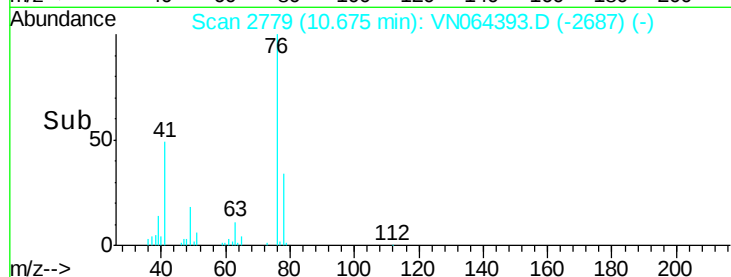
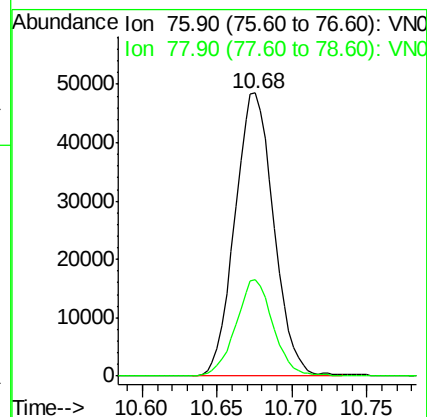
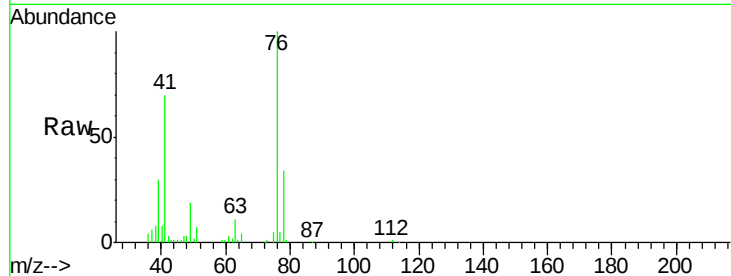
78 32.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 81.765 ug/l

RT: 9.66 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN064393.D

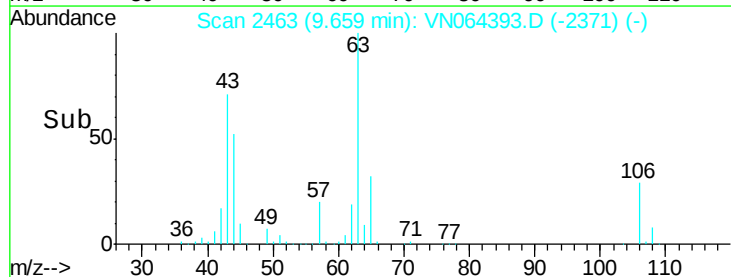
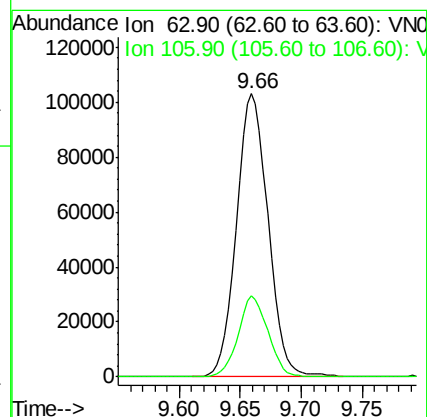
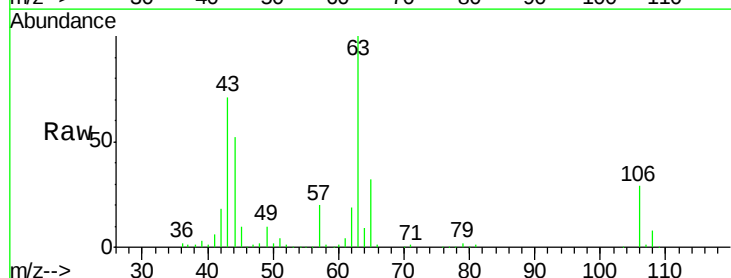
Acq: 30 Oct 2020 12:25

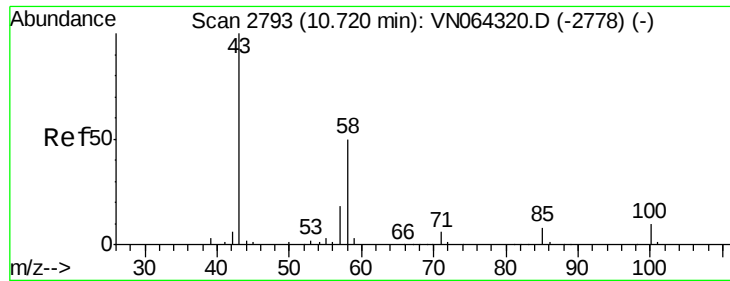
Tgt Ion: 63 Resp: 185369

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.4





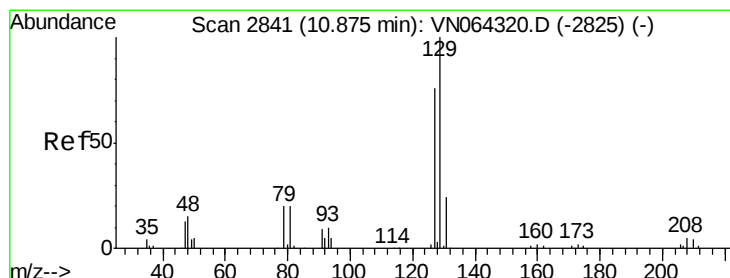
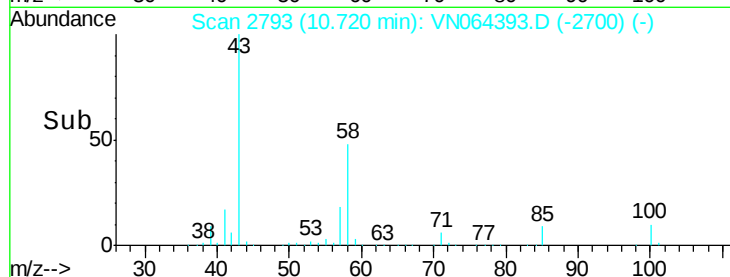
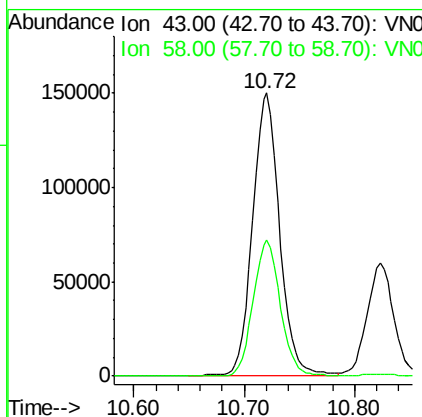
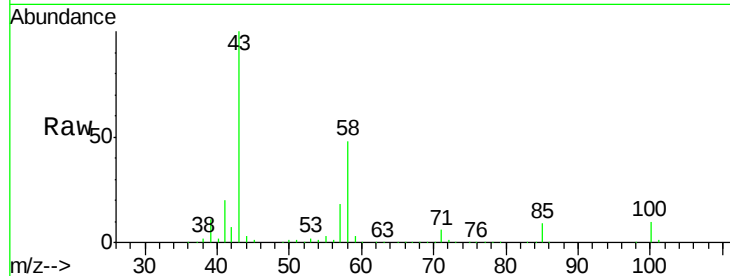
#59
2-Hexanone
Concen: 86.480 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	43	Resp	253052
Ion Ratio	100	Lower	Upper
58	48.7	25.0	75.0

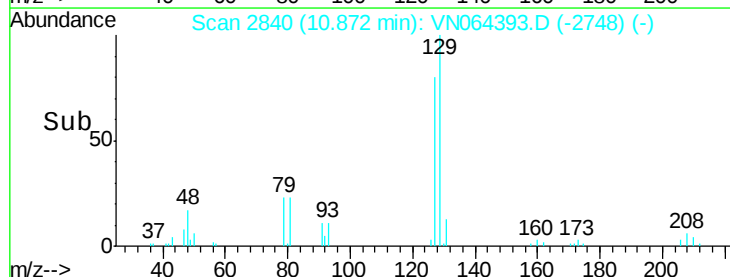
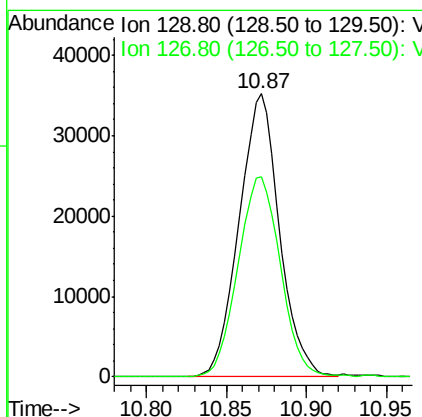
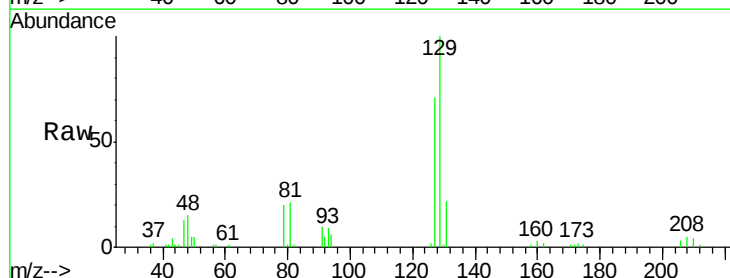
Manual Integrations
APPROVED

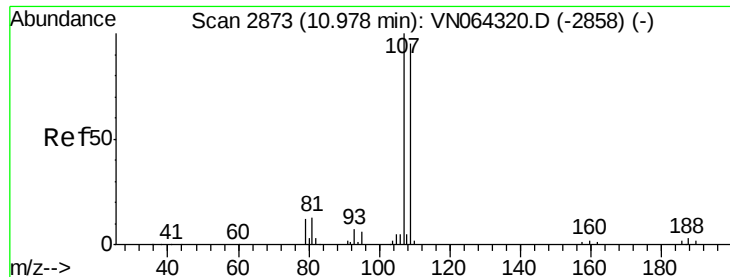
MMDadoda
11/2/2020 4:11:36 PM



#60
Dibromochloromethane
Concen: 18.736 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	129	Resp	60798
Ion Ratio	100	Lower	Upper
127	74.3	38.5	115.3





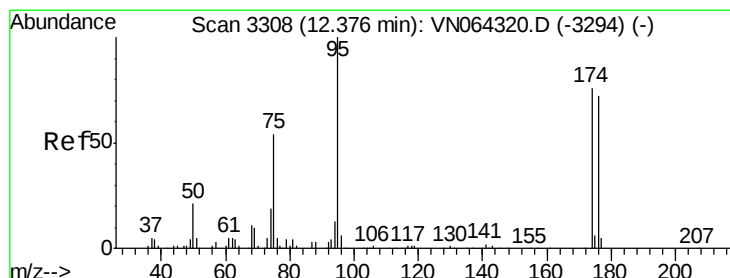
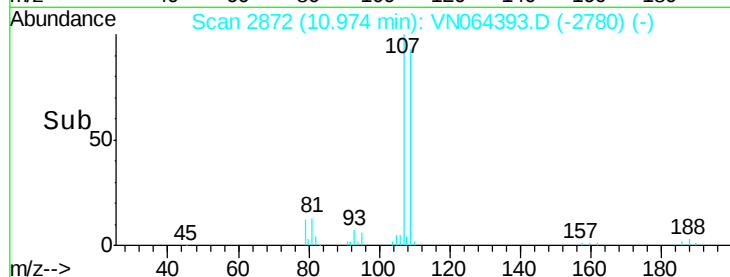
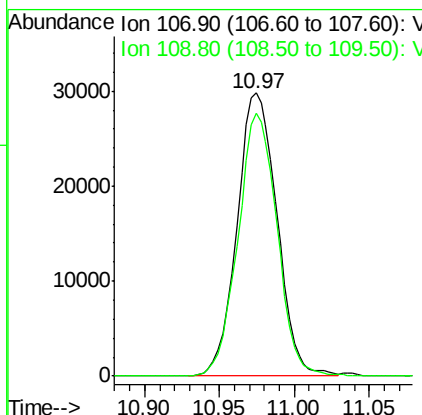
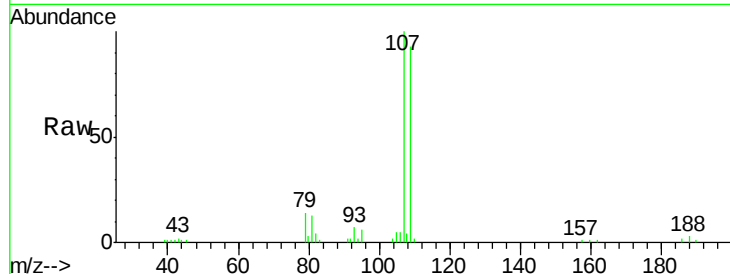
#61
 1,2-Dibromoethane
 Concen: 19.795 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.7	75.8	113.8

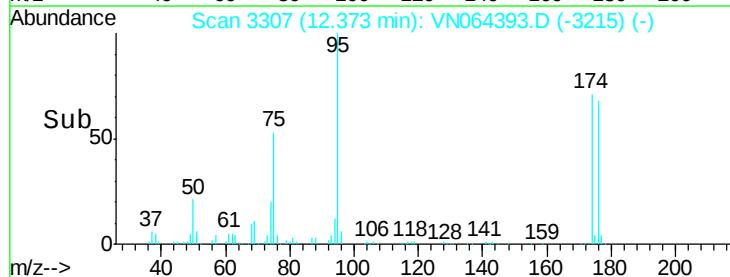
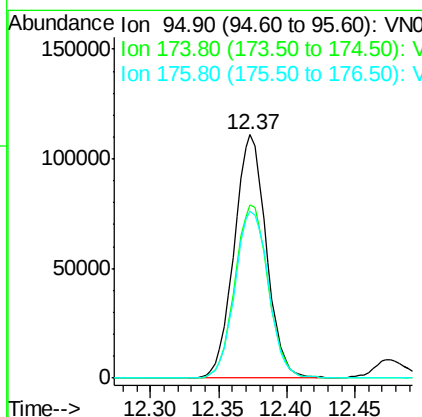
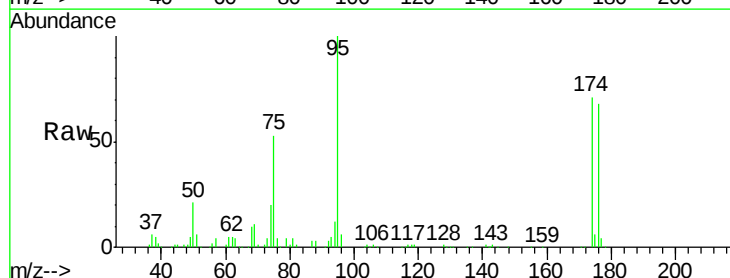
Manual Integrations
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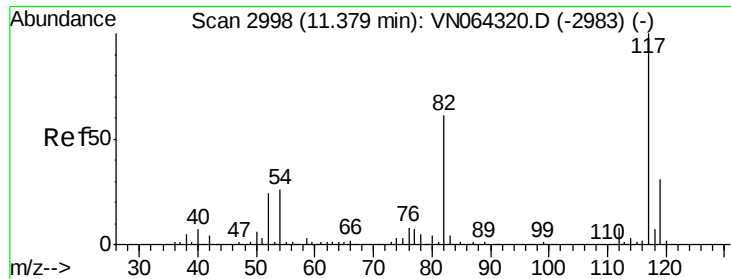
MMDadoda
 11/2/2020 4:11:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.172 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	147.4
176	72.0	0.0	143.6





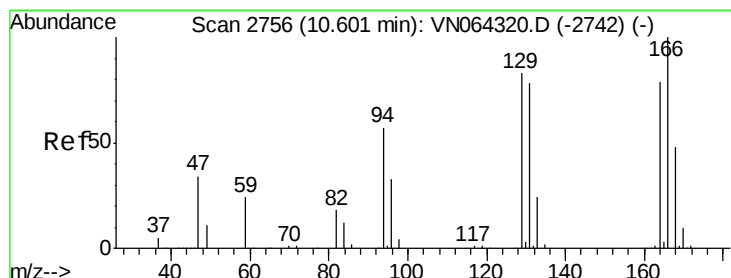
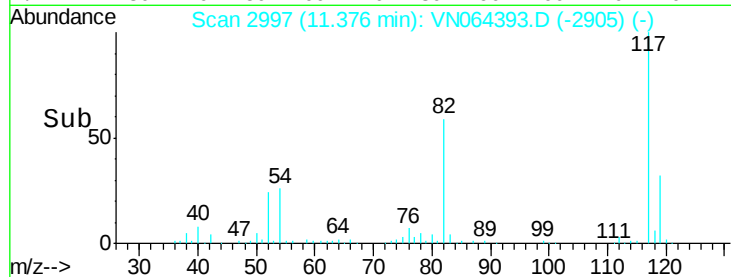
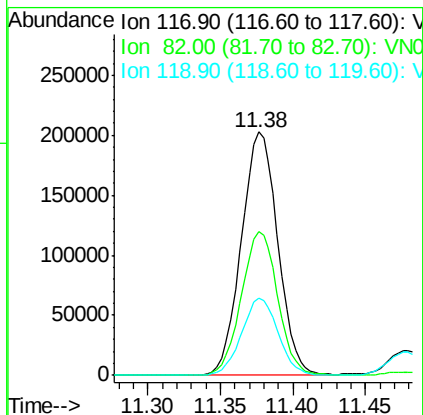
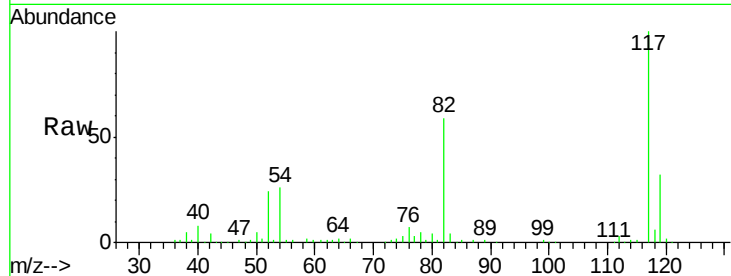
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.8	73.2
119	31.6	25.1	37.7

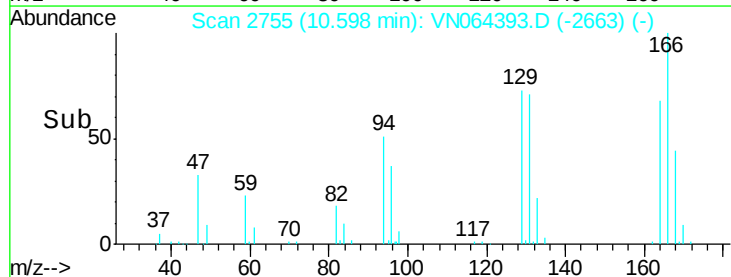
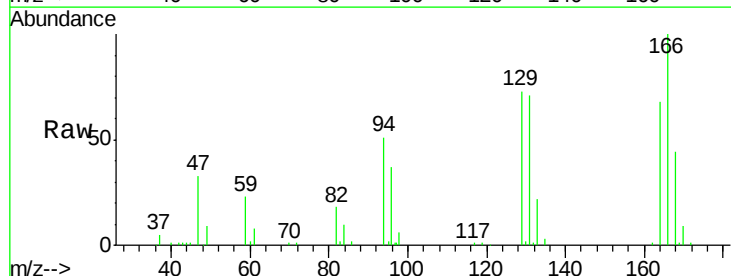
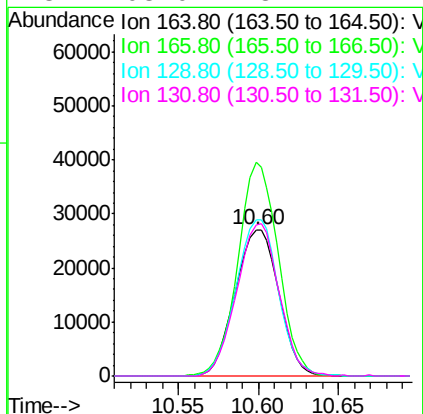
Manual Integrations
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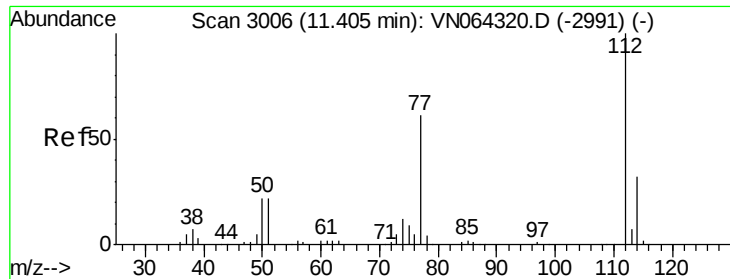
MMDadoda
11/2/2020 4:11:36 PM



#64
Tetrachloroethene
Concen: 17.255 ug/l
RT: 10.60 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	145.4	100.7	151.1
129	107.0	83.7	125.5
131	103.0	78.2	117.2





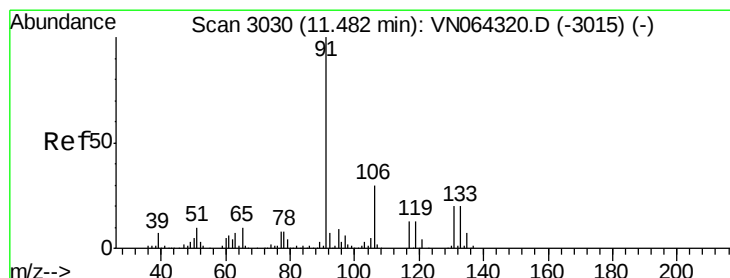
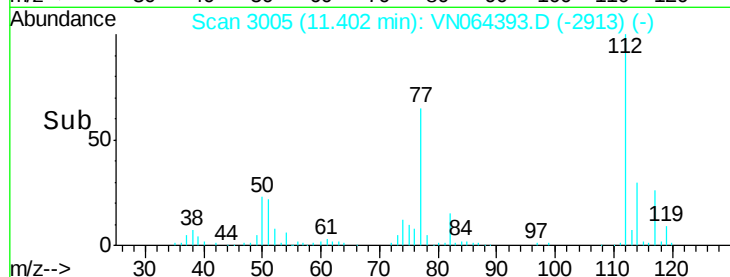
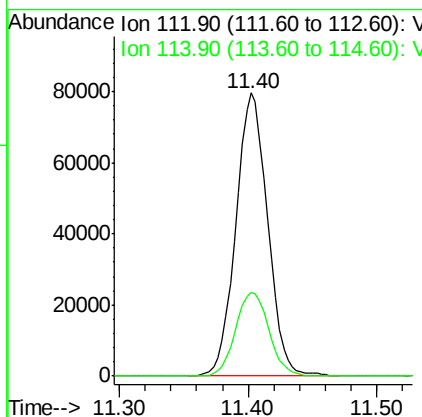
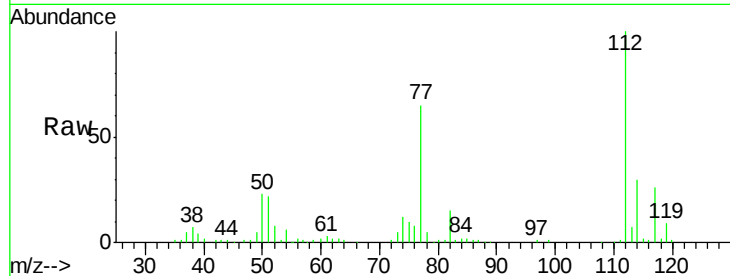
#65
Chlorobenzene
Concen: 18.944 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion:112 Resp: 136415
Ion Ratio Lower Upper
112 100
114 29.6 25.4 38.0

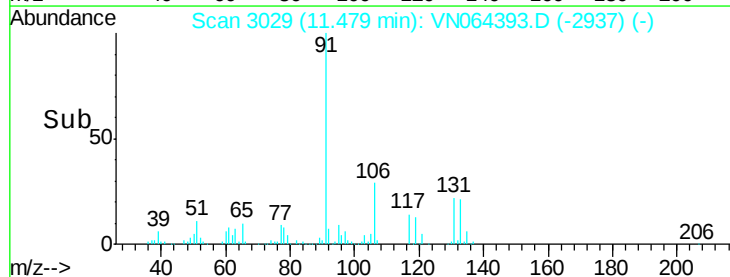
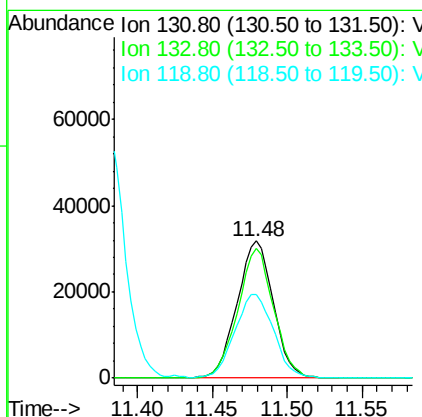
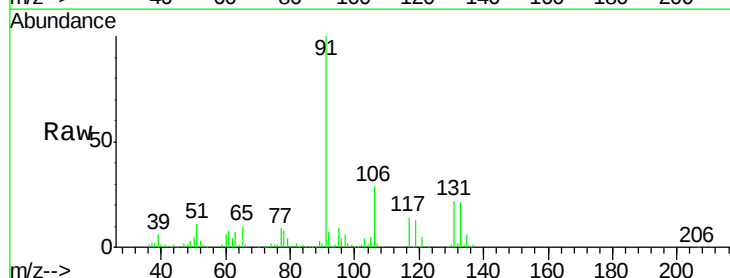
Manual Integrations
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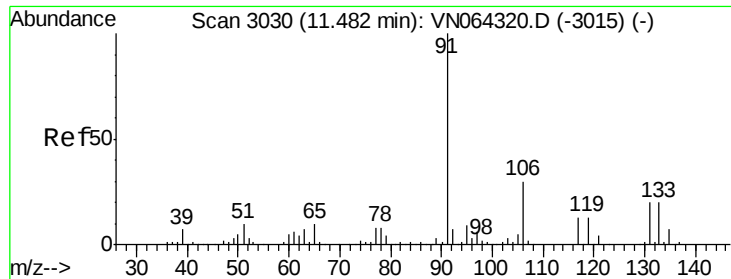
MMDadoda
11/2/2020 4:11:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.448 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion:131 Resp: 53691
Ion Ratio Lower Upper
131 100
133 93.6 49.3 147.8
119 65.1 32.3 96.9





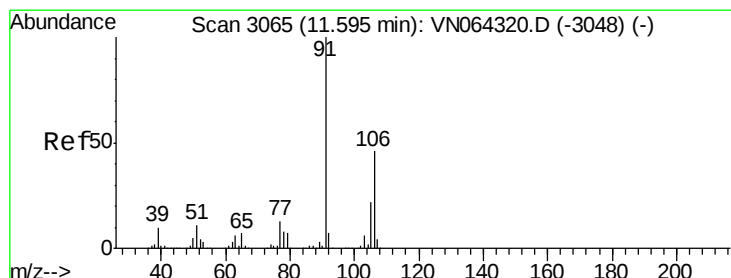
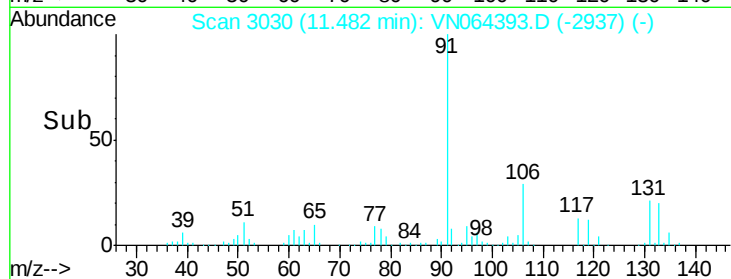
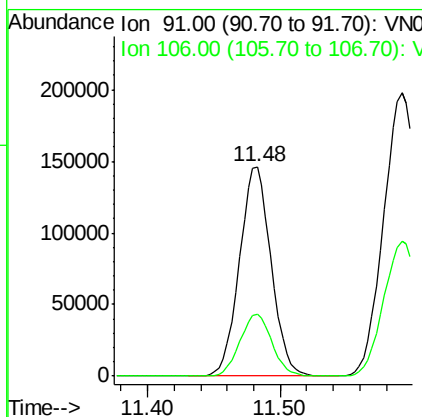
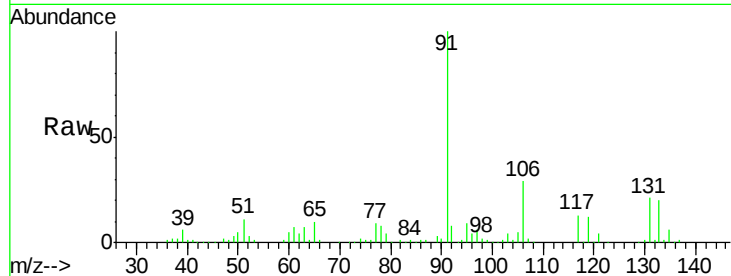
#67
Ethyl Benzene
Concen: 18.093 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion: 91 Resp: 242220
Ion Ratio Lower Upper
91 100
106 29.5 23.7 35.5

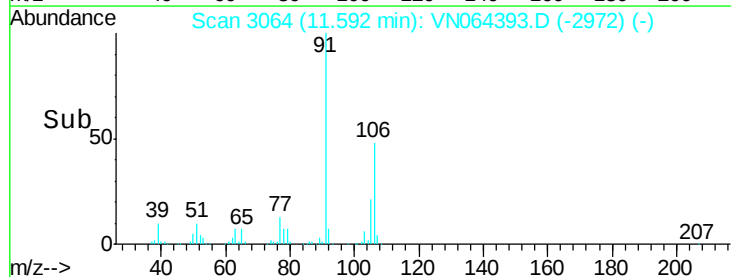
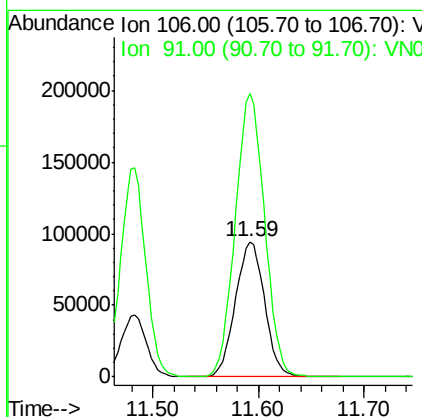
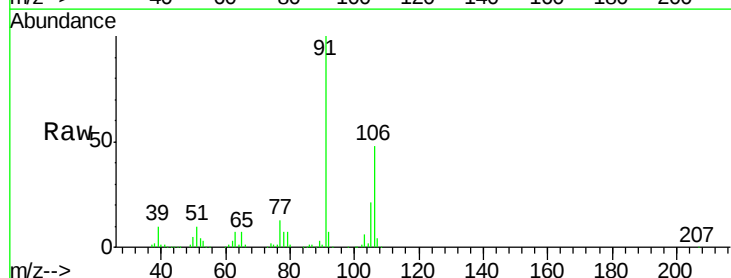
Manual Integrations
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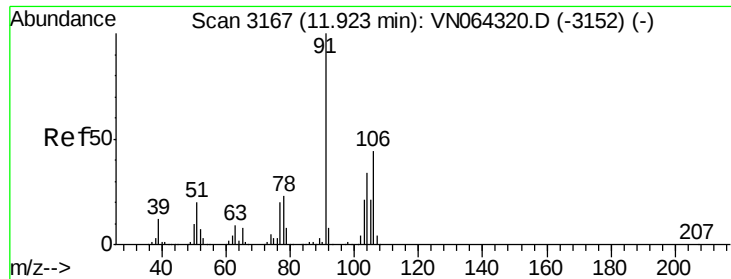
MMDadoda
11/2/2020 4:11:36 PM



#68
m/p-Xylenes
Concen: 36.664 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion: 106 Resp: 181899
Ion Ratio Lower Upper
106 100
91 208.6 170.2 255.4





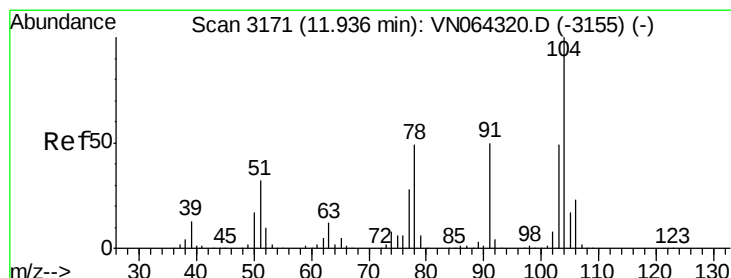
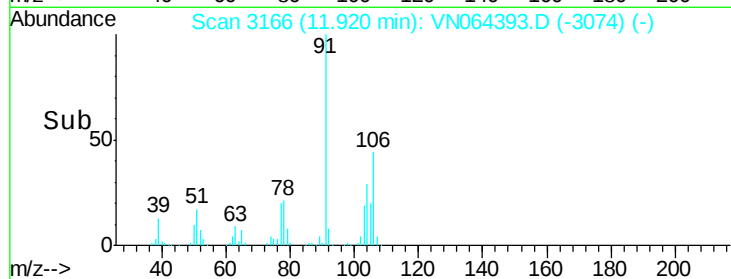
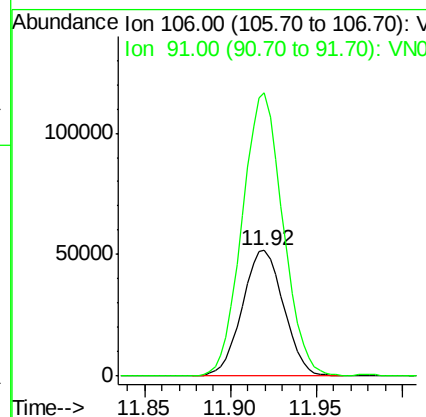
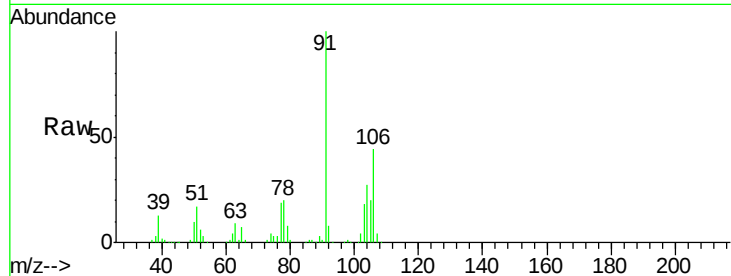
#69
o-Xylene
Concen: 18.169 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion:106 Resp: 86841
Ion Ratio Lower Upper
106 100
91 220.8 114.5 343.5

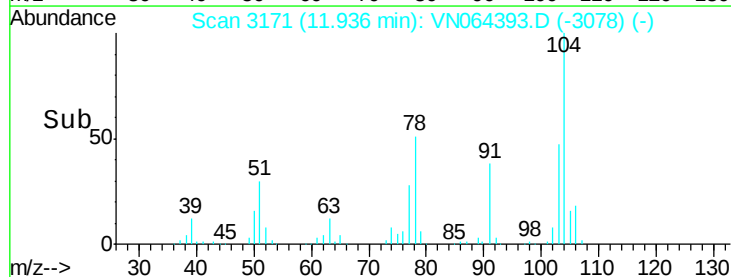
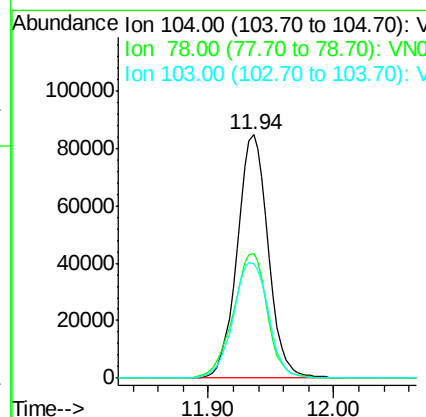
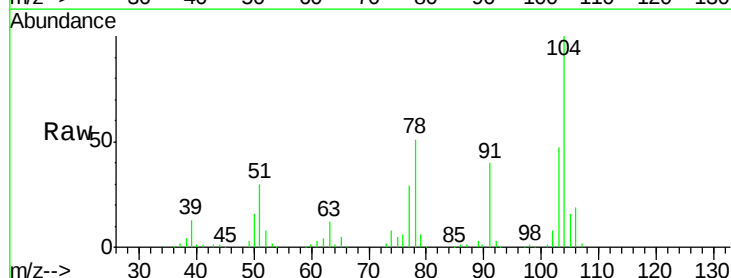
Manual Integrations
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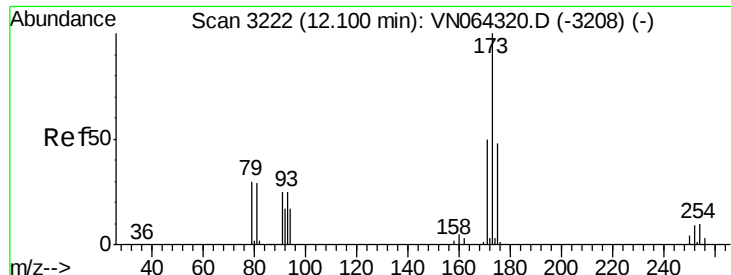
MMDadoda
11/2/2020 4:11:36 PM



#70
Styrene
Concen: 18.537 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion:104 Resp: 145269
Ion Ratio Lower Upper
104 100
78 56.4 43.7 65.5
103 54.0 43.3 64.9





#71

Bromoform

Concen: 17.454 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion:173 Resp: 39869

Ion Ratio Lower Upper

173 100

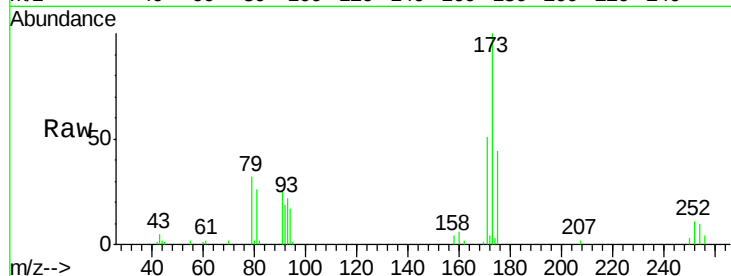
175 48.0 25.4 76.0

254 0.0 0.0 0.0

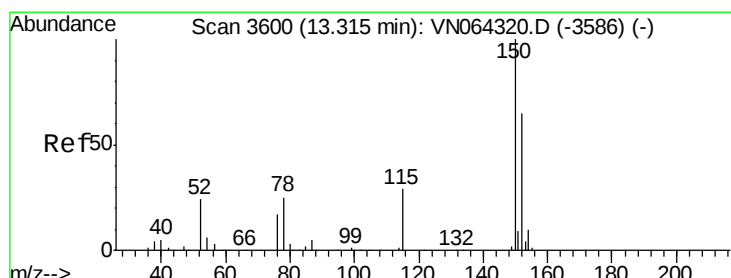
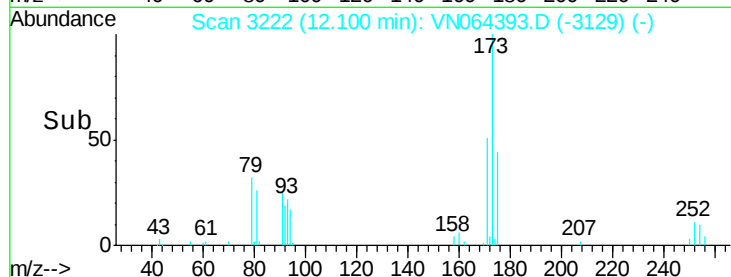
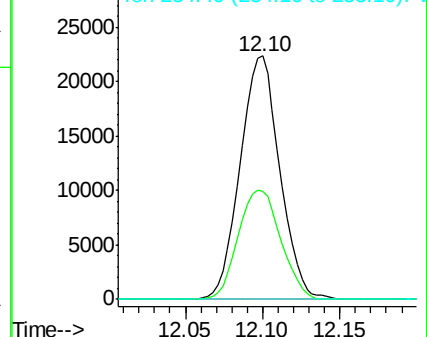
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

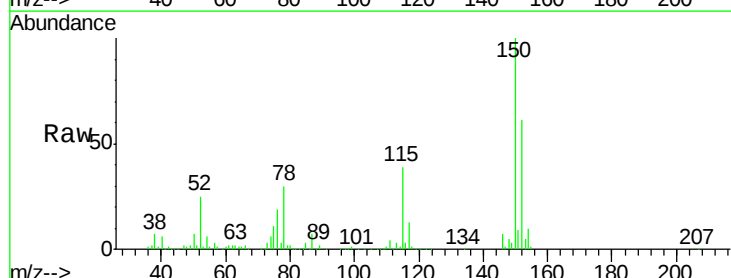
Tgt Ion:152 Resp: 157876

Ion Ratio Lower Upper

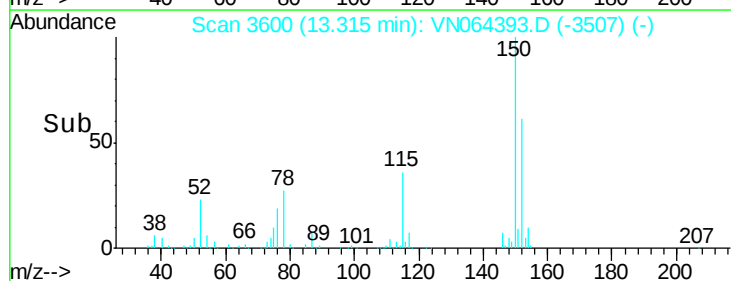
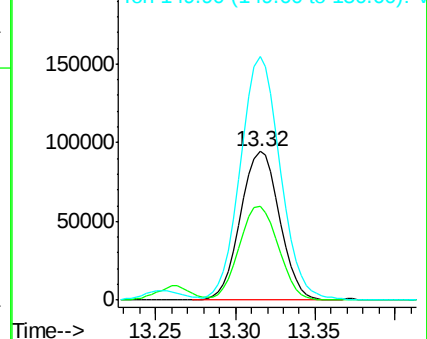
152 100

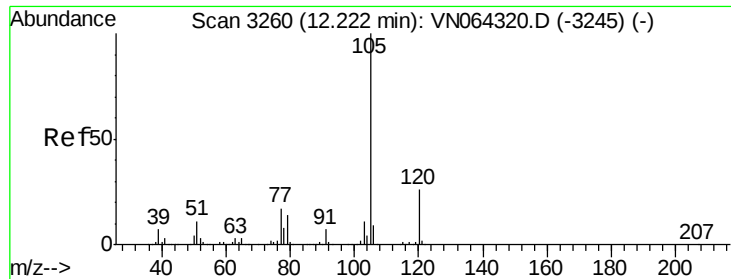
115 62.7 31.5 94.5

150 165.8 0.0 346.2



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





#73

Isopropylbenzene

Concen: 18.713 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 105 Resp: 221268

Ion Ratio Lower Upper

105 100

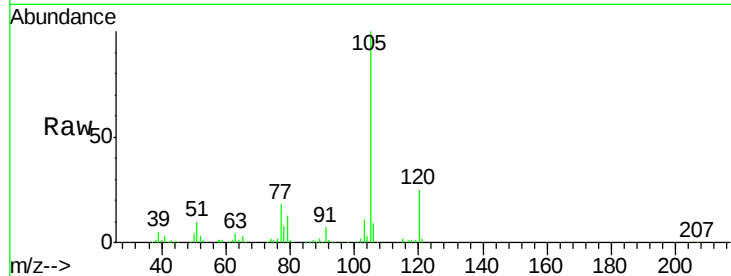
120 25.8 13.2 39.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

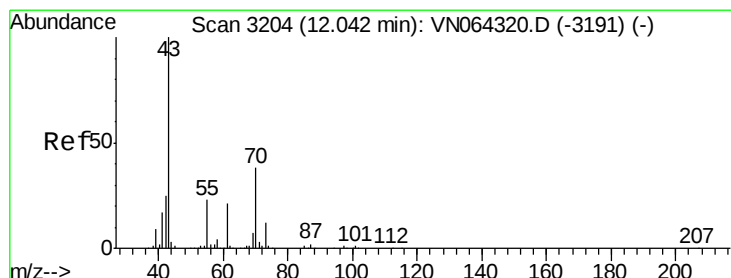
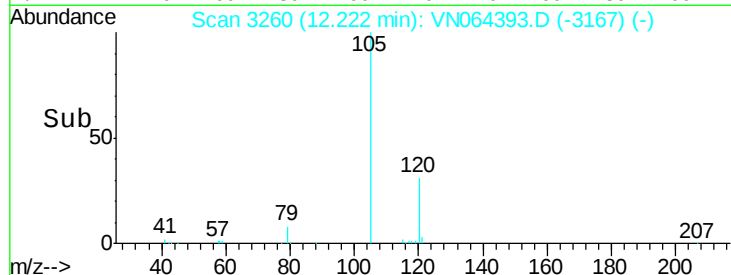
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.411 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion: 43 Resp: 101029

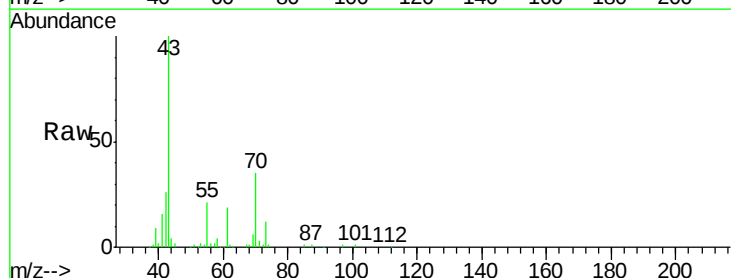
Ion Ratio Lower Upper

43 100

70 36.9 30.6 45.8

55 23.2 18.2 27.4

61 21.0 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

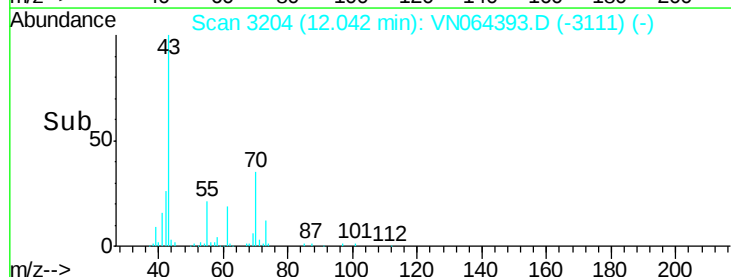
60000

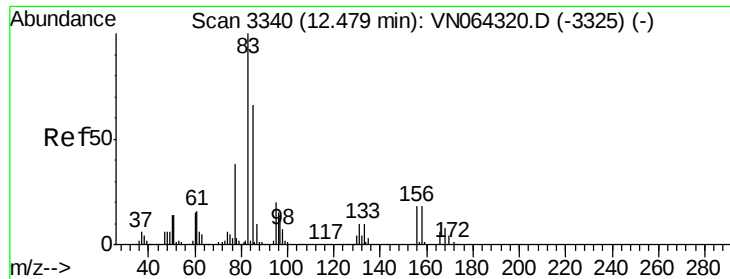
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.987 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

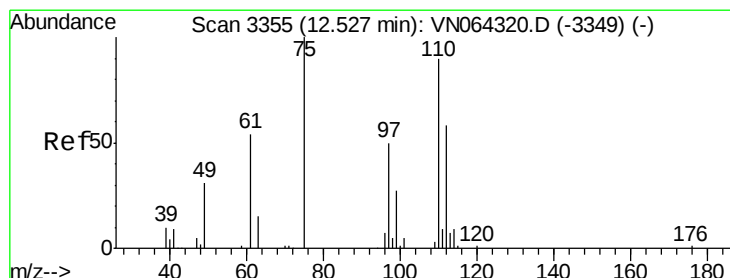
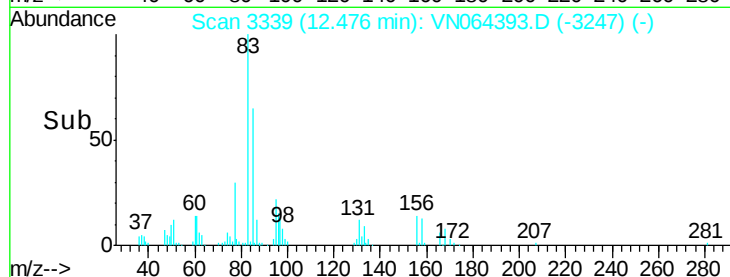
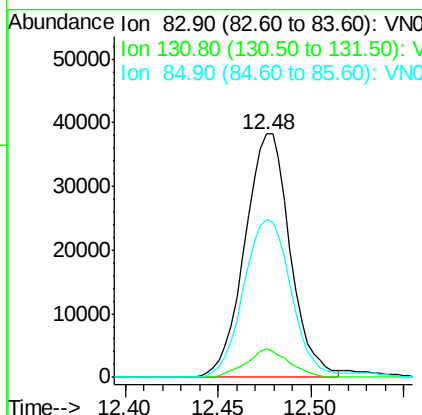
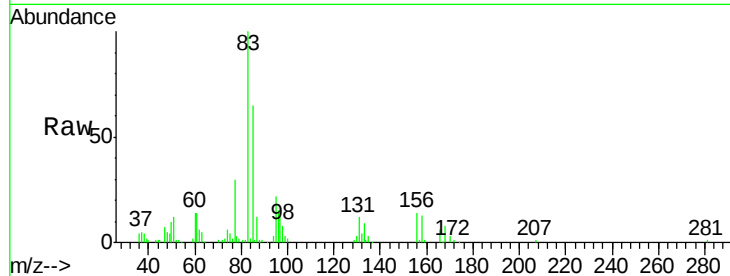
ClientSampleId :

VN1030WBSD01

Tot Ion:	83	Resp:	65261
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	68.0	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.816 ug/l m

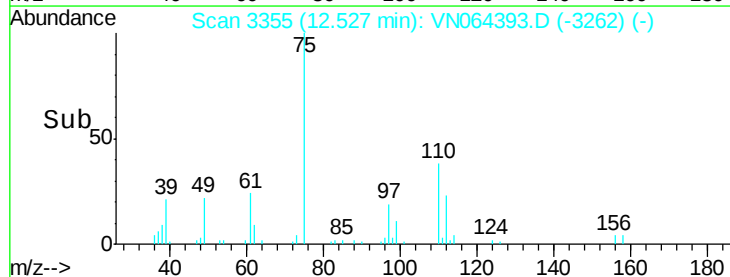
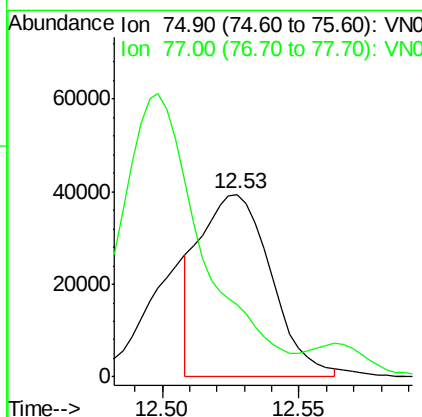
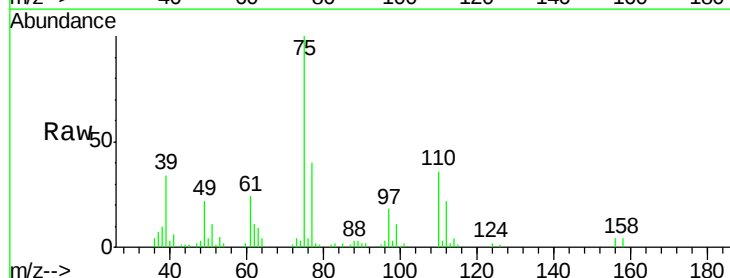
RT: 12.53 min Scan# 3355

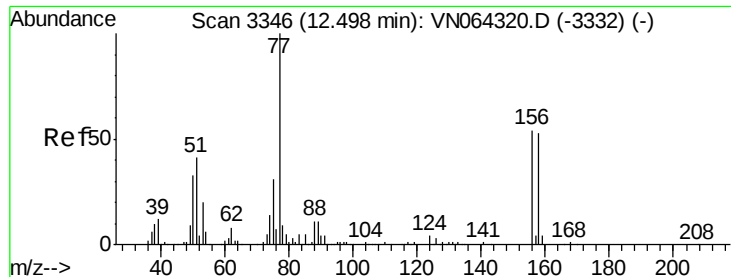
Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion:	75	Resp:	71136
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.553 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

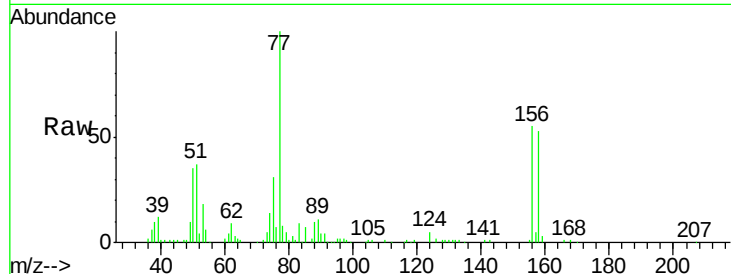
ClientSampleId :

VN1030WBSD01

Tot Ion:	156	Resp:	56616
Ion Ratio	Lower	Upper	
156	100		
77	225.1	111.9	335.7
158	100.8	49.0	147.0

Manual Integrations
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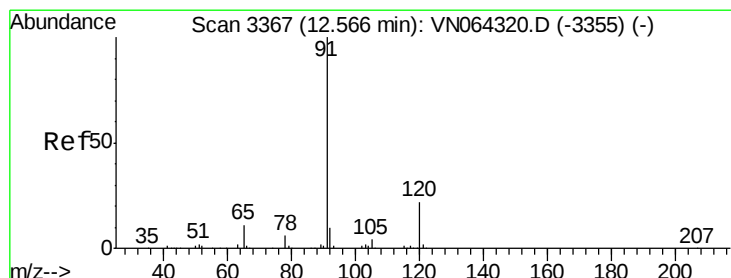
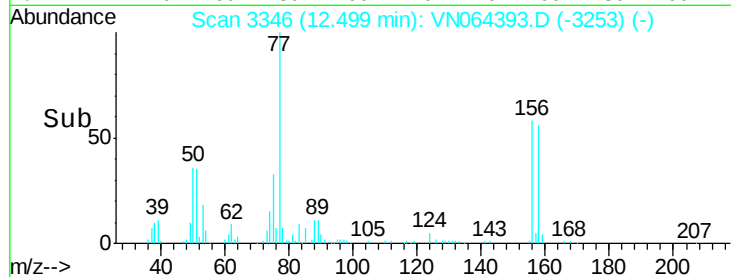
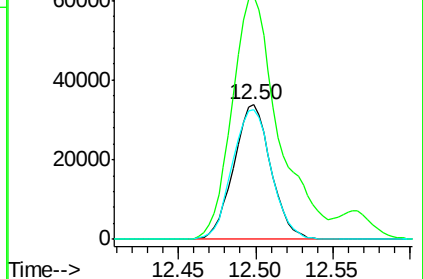
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.316 ug/l

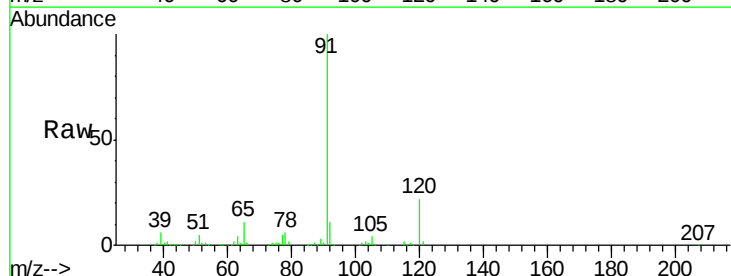
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064393.D

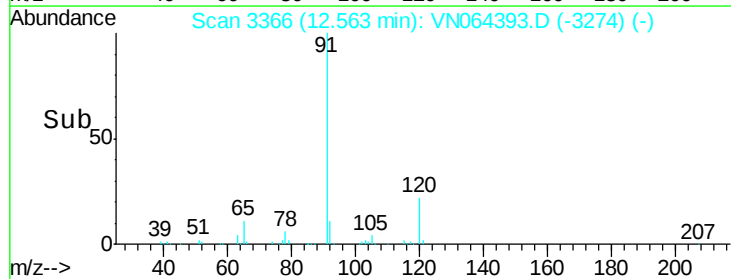
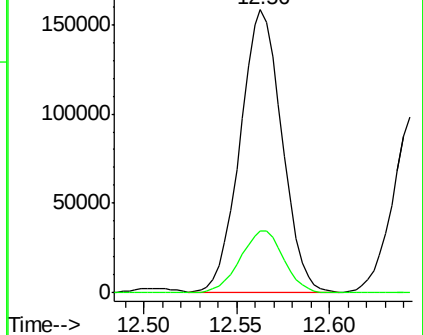
Acq: 30 Oct 2020 12:25

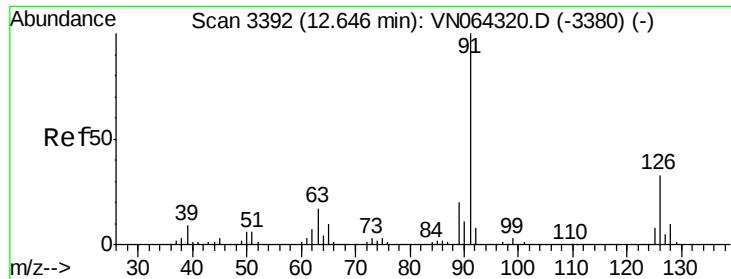
Tgt Ion:	91	Resp:	245195
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.923 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBSD01

Tot Ion: 91 Resp: 161932

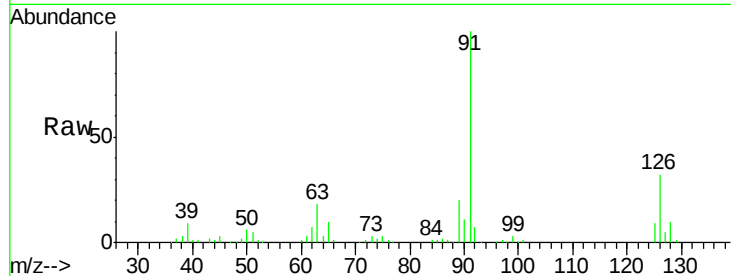
Ion Ratio Lower Upper

91 100

126 31.6 16.2 48.5

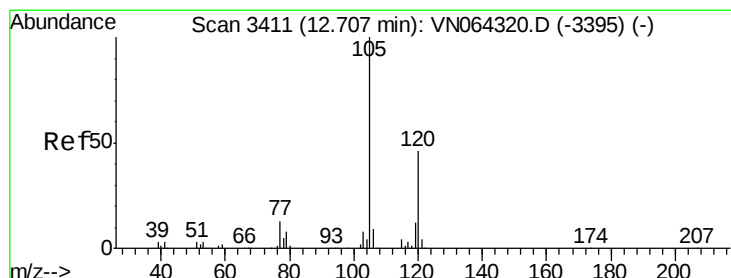
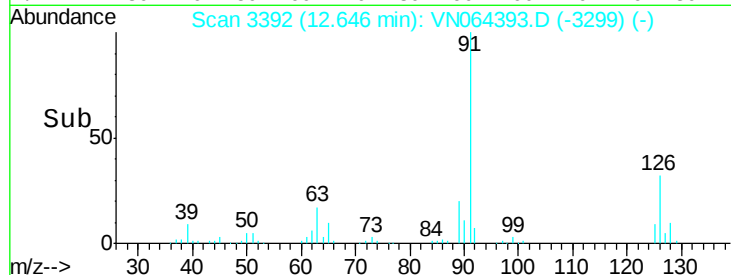
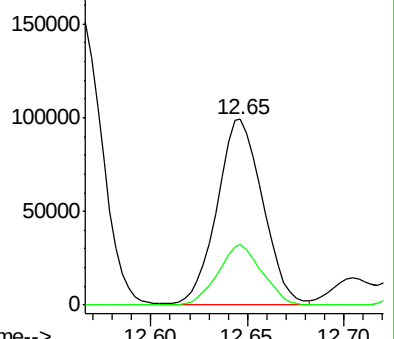
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN064320.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064320.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.398 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064393.D

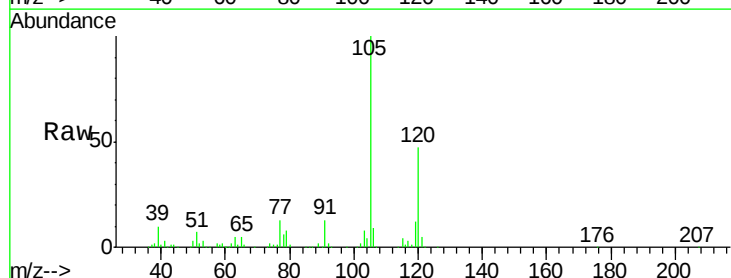
Acq: 30 Oct 2020 12:25

Tgt Ion: 105 Resp: 184076

Ion Ratio Lower Upper

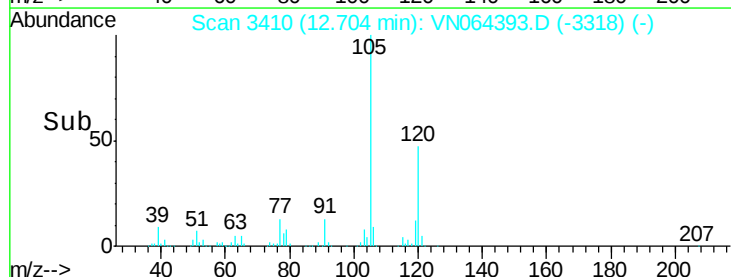
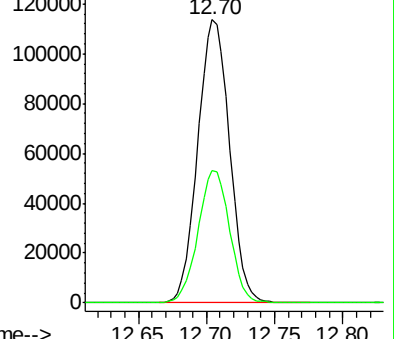
105 100

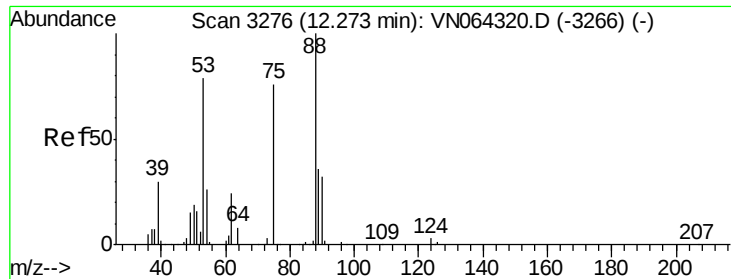
120 46.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064320.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064320.D (-3395) (-)





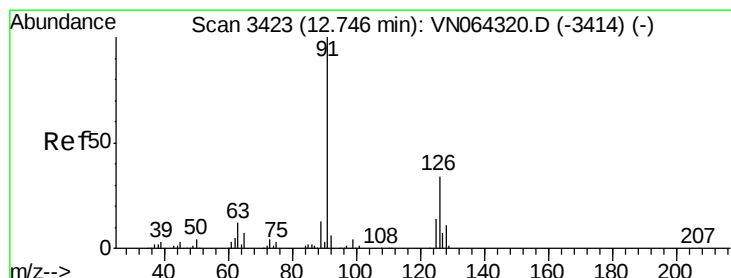
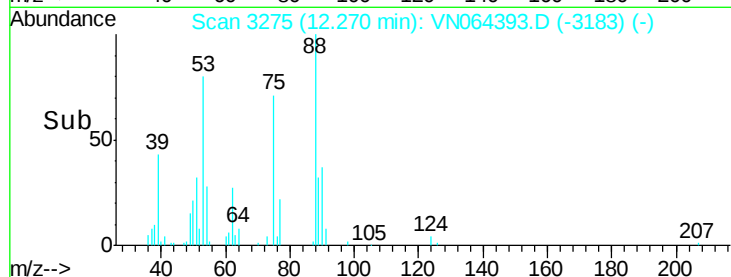
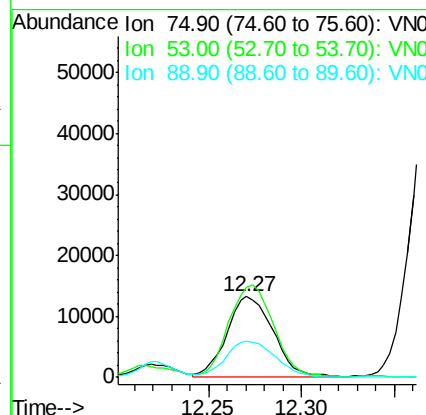
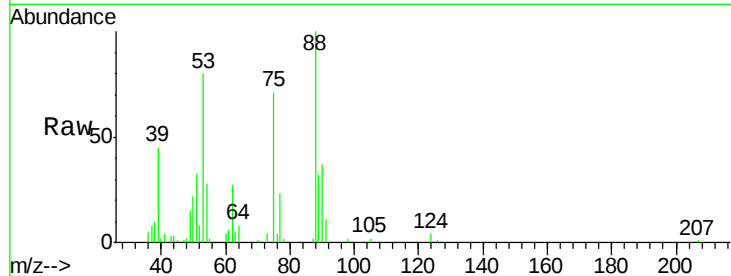
#81
trans-1,4-Dichloro-2-butene
Concen: 17.750 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.3	81.8	122.8
89	47.1	39.9	59.9

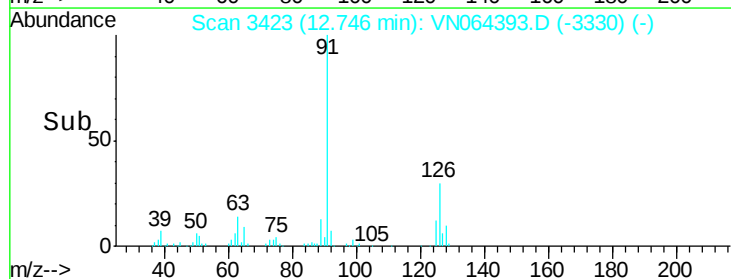
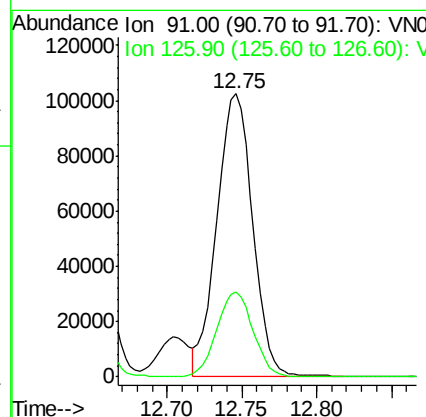
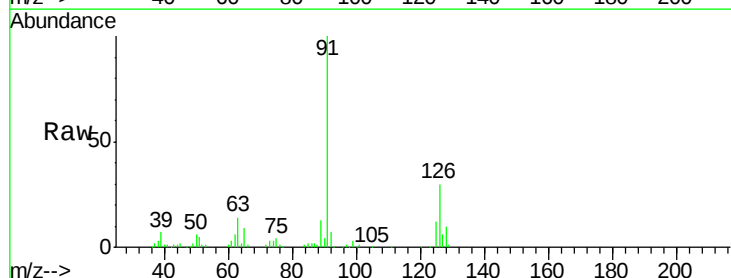
Manual Integrations
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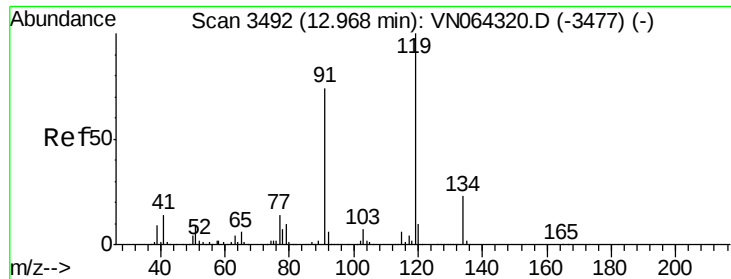
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#82
4-Chlorotoluene
Concen: 19.474 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.8	47.3





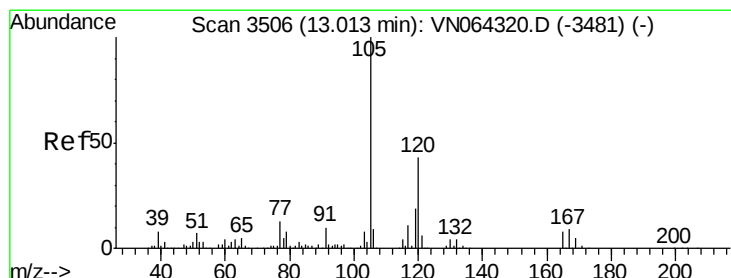
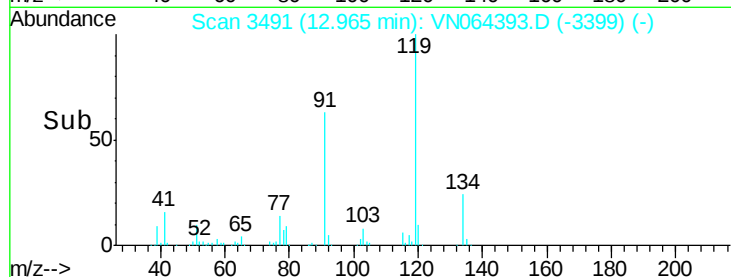
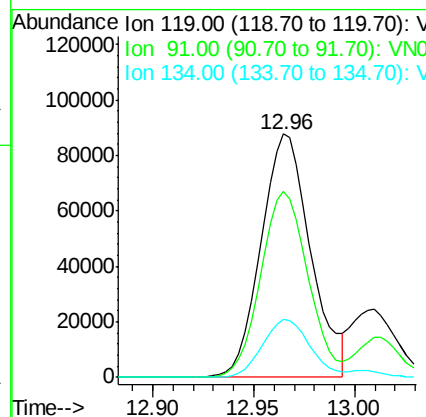
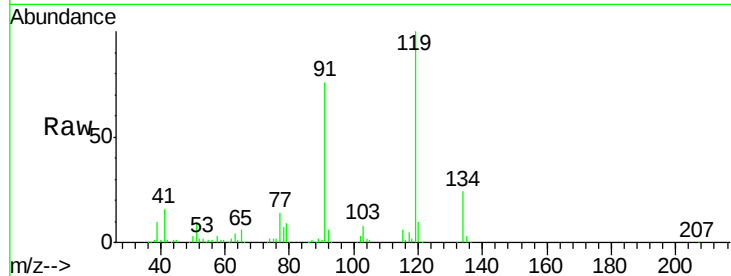
#83
 tert-Butylbenzene
 Concen: 18.311 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.9	36.4	109.1
134	23.0	12.0	36.1

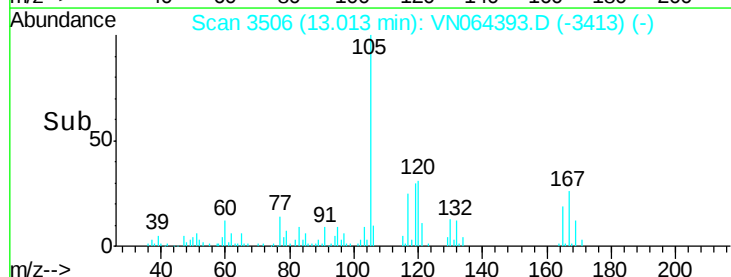
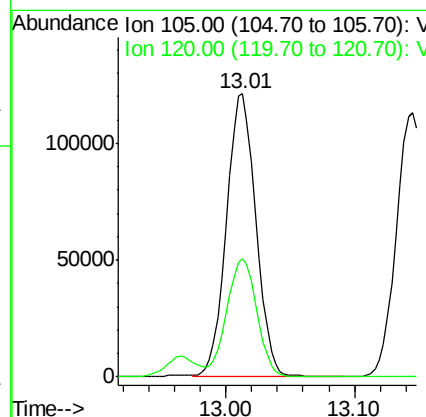
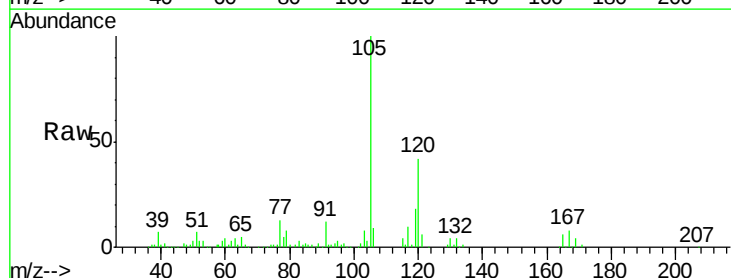
Manual Integrations
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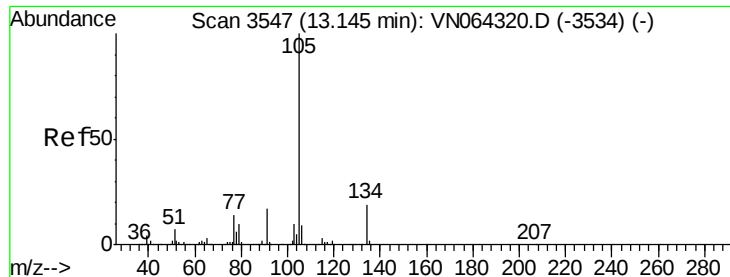
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.230 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.3	64.0





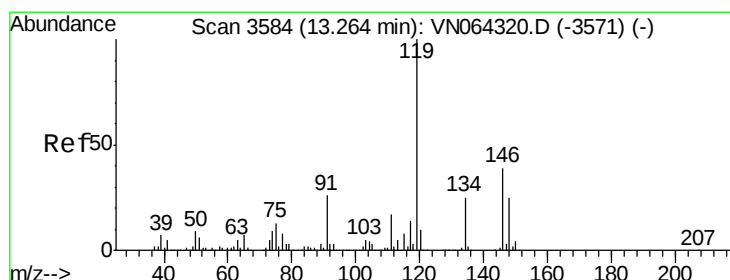
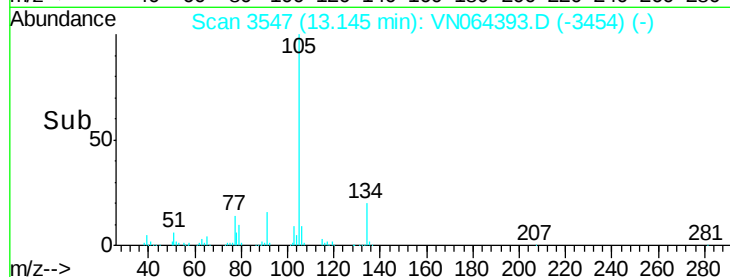
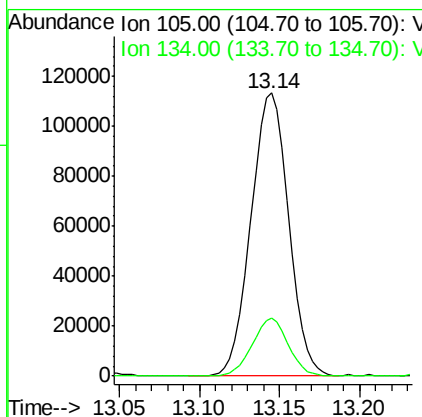
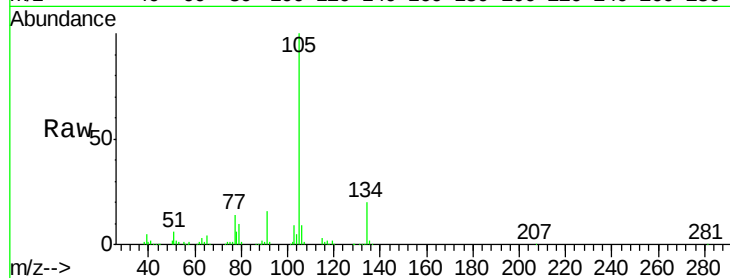
#85
 sec-Butylbenzene
 Concen: 17.236 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.6	28.8

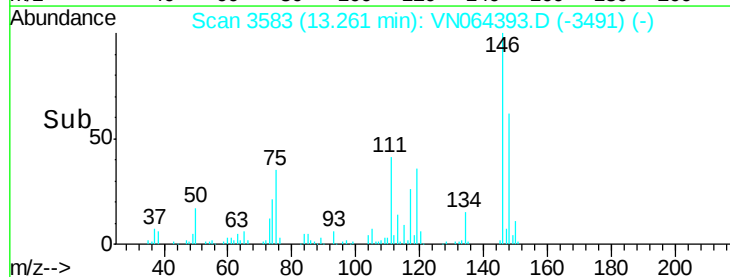
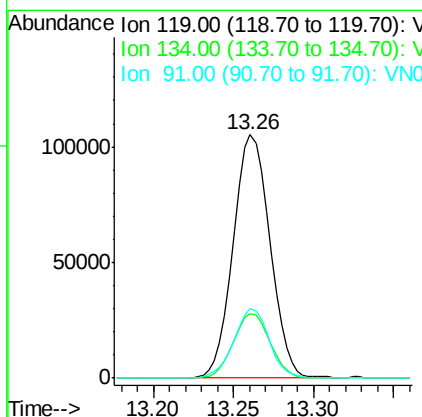
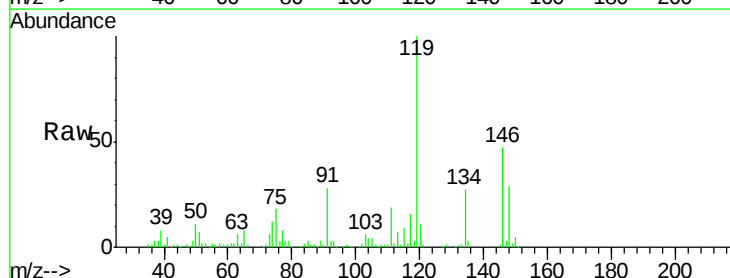
Manual Integrations
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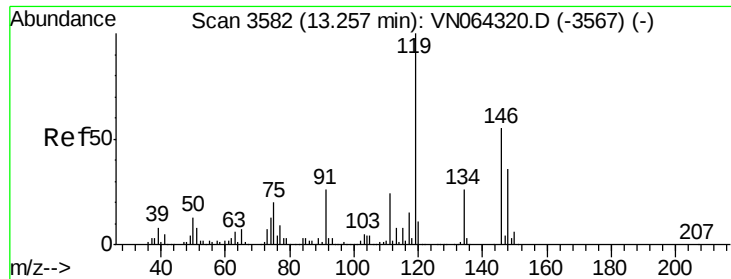
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 11/2/2020 4:11:36 PM



#86
 p-Isopropyltoluene
 Concen: 17.203 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.8	38.4
91	27.6	13.0	38.9





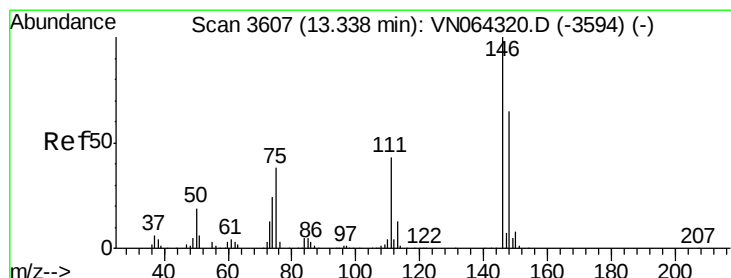
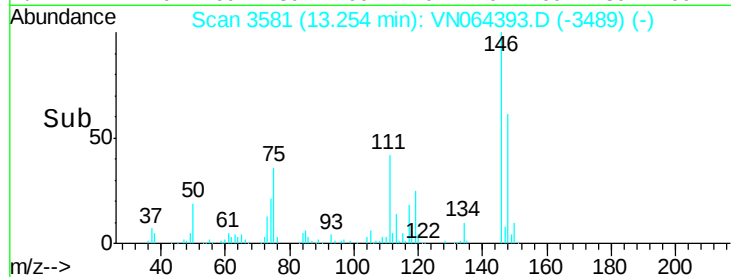
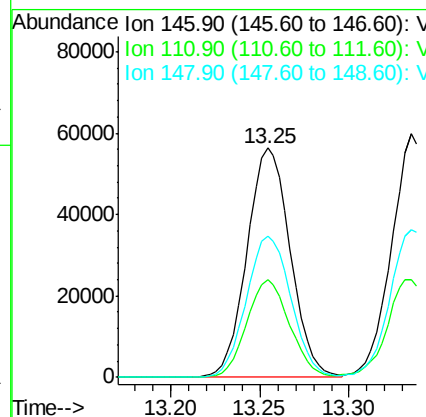
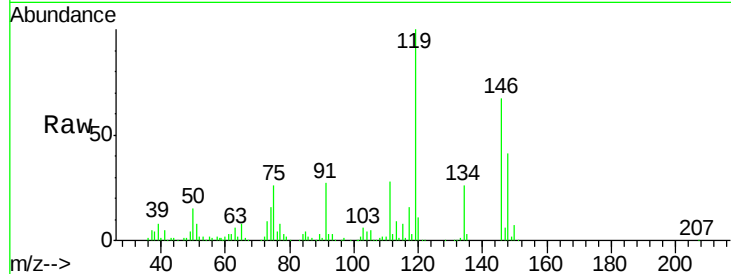
#87
 1,3-Dichlorobenzene
 Concen: 18.842 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.9	65.5
148	63.4	32.6	98.0

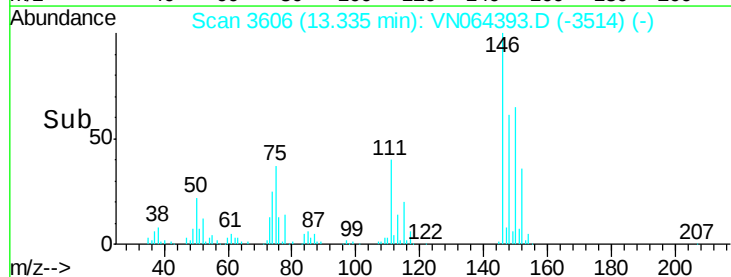
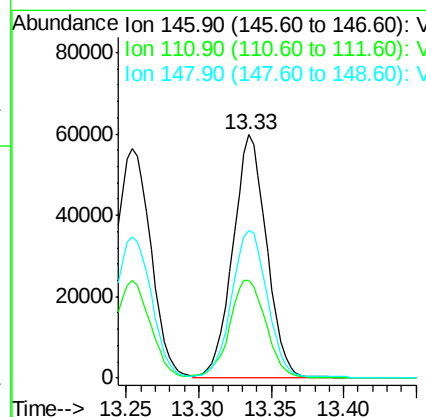
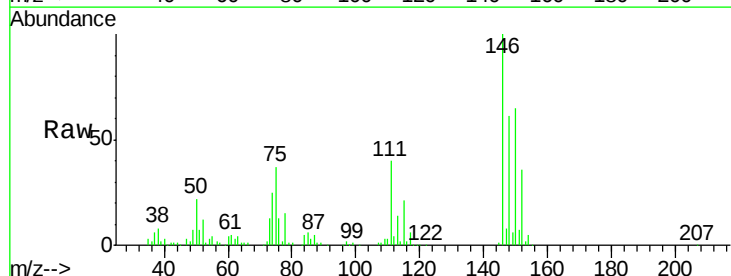
Manual Integrations
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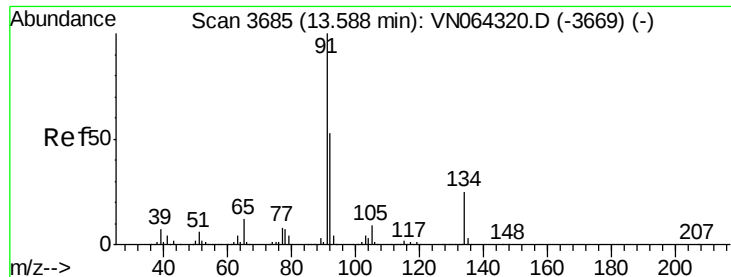
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 11/2/2020 4:11:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.577 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.4
148	63.5	31.8	95.3





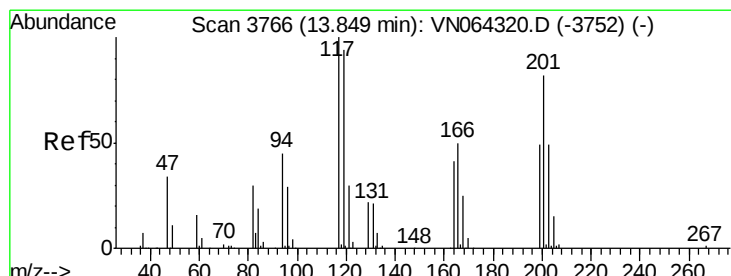
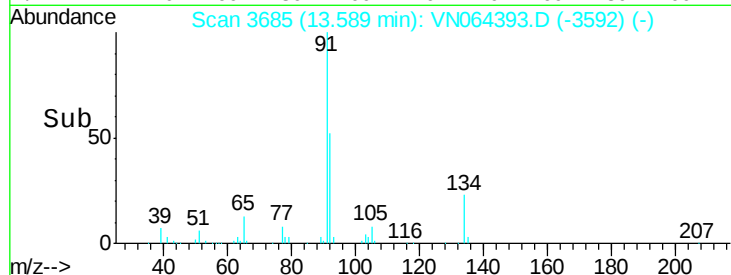
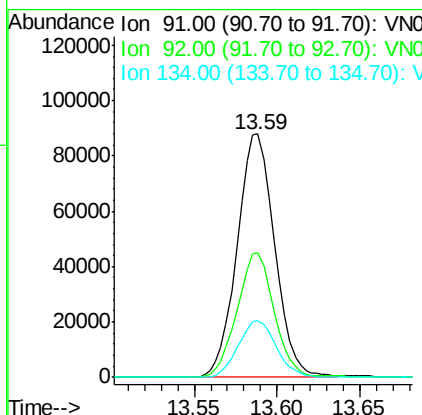
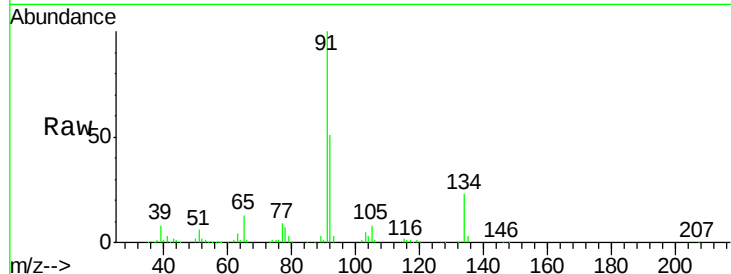
#89
n-Butylbenzene
Concen: 16.475 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	26.2	78.5
134	23.5	12.4	37.4

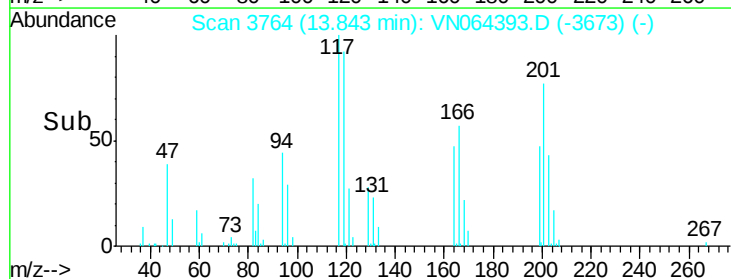
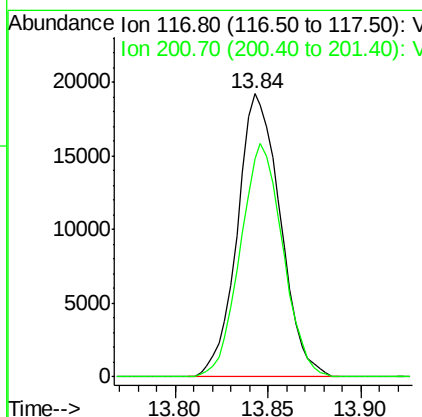
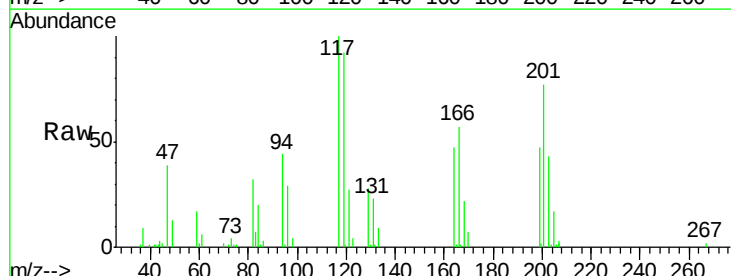
Manual Integrations
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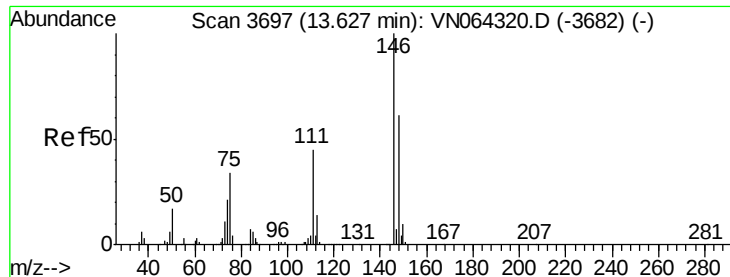
MMDadoda
11/2/2020 4:11:36 PM



#90
Hexachloroethane
Concen: 17.260 ug/l
RT: 13.84 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN064393.D
Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	39.8	119.3





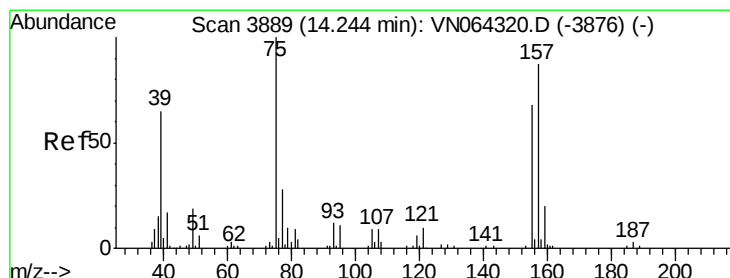
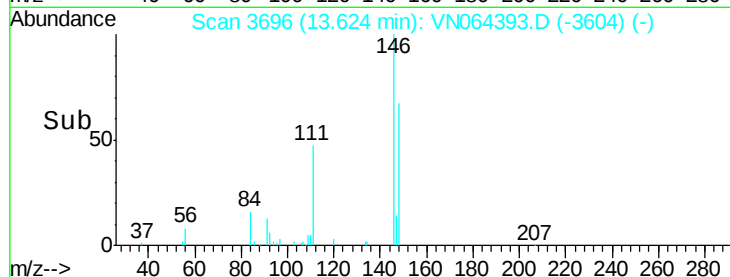
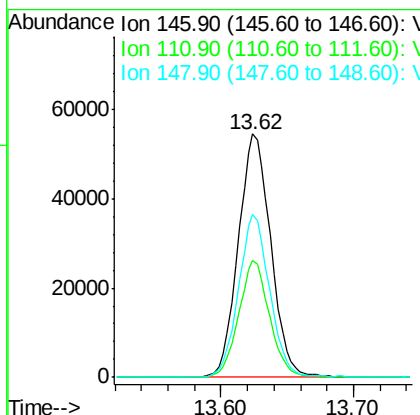
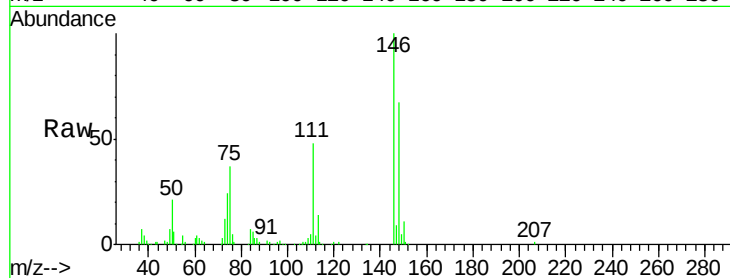
#91
 1,2-Dichlorobenzene
 Concen: 18.415 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	23.0	69.0
148	64.2	32.1	96.3

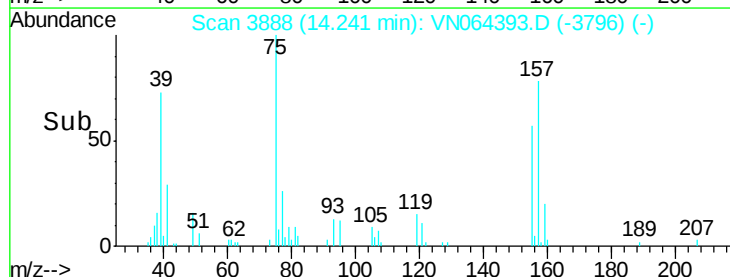
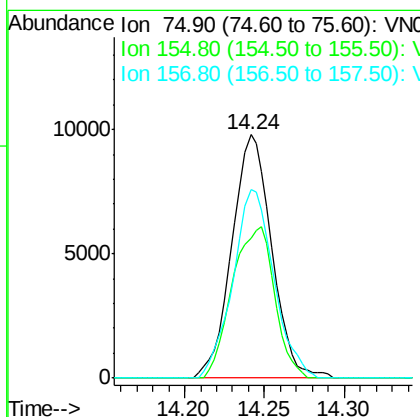
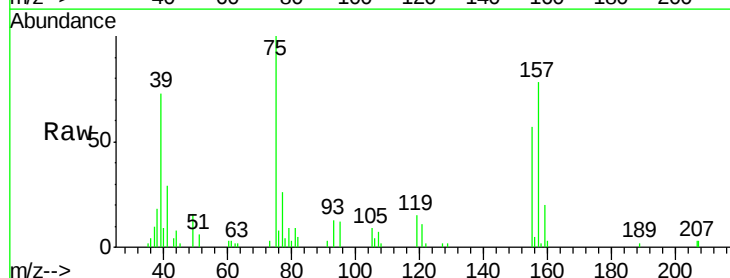
Manual Integrations
 APPROVED

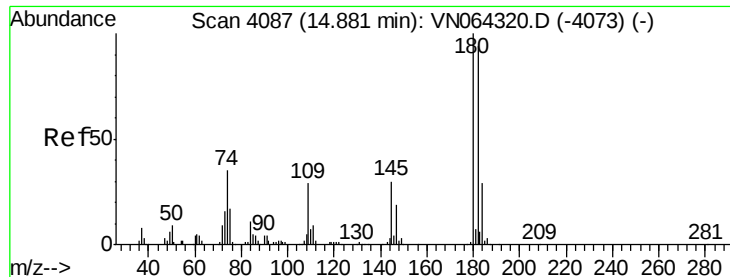
MMDadoda
 11/2/2020 4:11:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.427 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.1	35.1	105.5
157	79.8	43.2	129.6





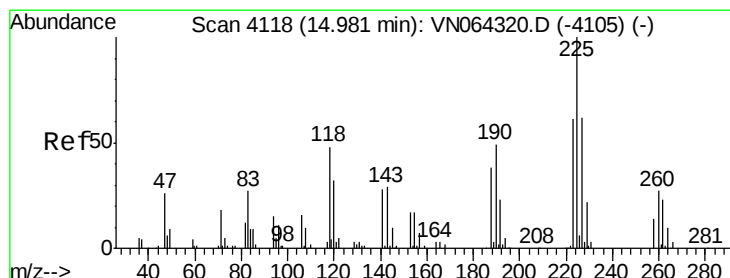
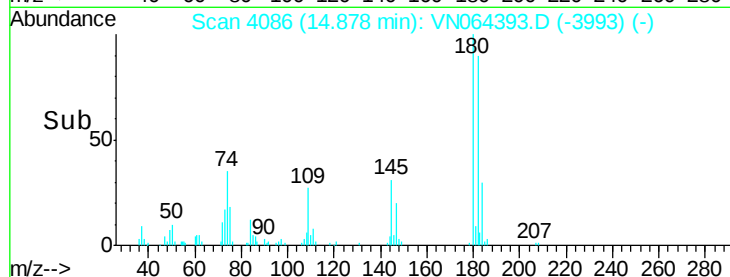
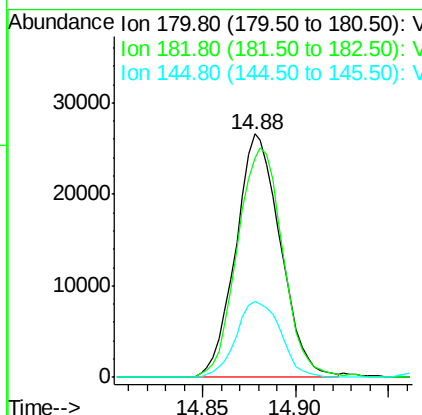
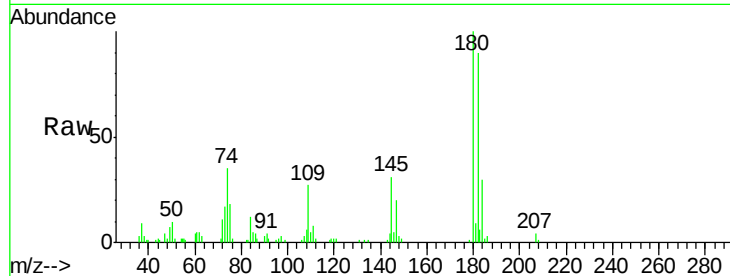
#93
 1,2,4-Trichlorobenzene
 Concen: 16.739 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :
 VN1030WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.7
145	31.2	15.3	45.9

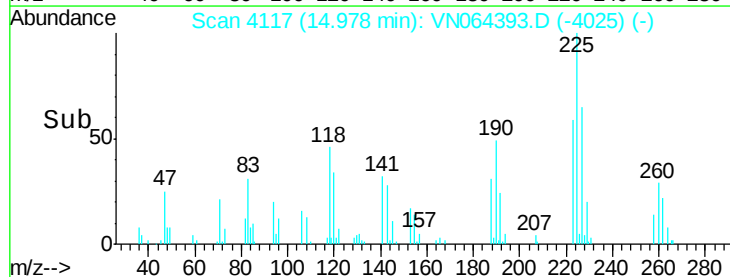
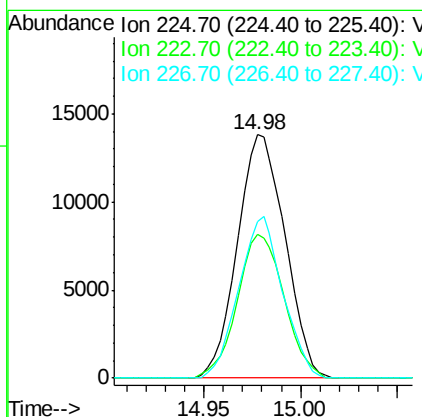
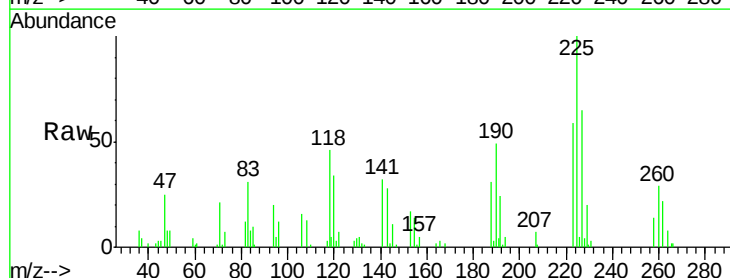
Manual Integrations
 APPROVED

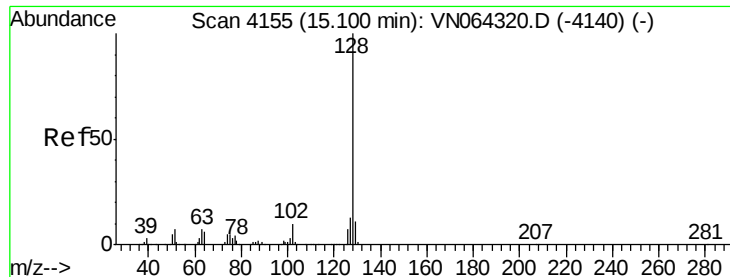
MMDadoda
 11/2/2020 4:11:36 PM



#94
 Hexachlorobutadiene
 Concen: 15.253 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064393.D
 Acq: 30 Oct 2020 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	31.3	93.8
227	61.4	32.3	96.9





#95

Naphthalene

Concen: 16.689 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Instrument :

MSVOA_N

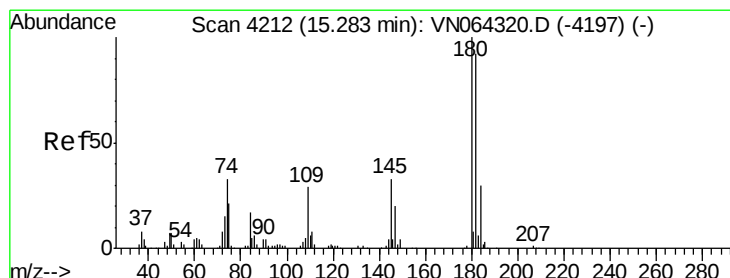
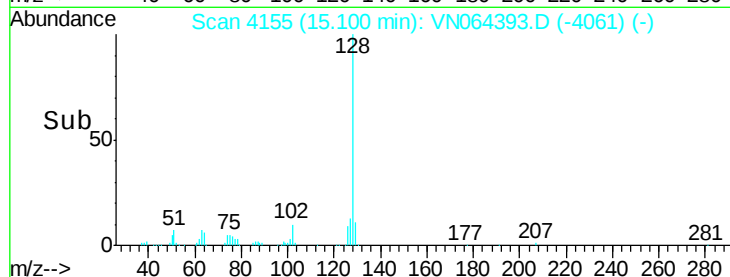
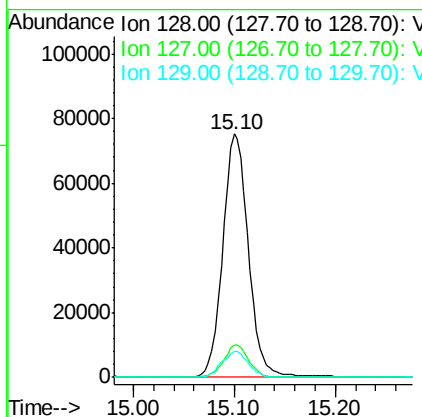
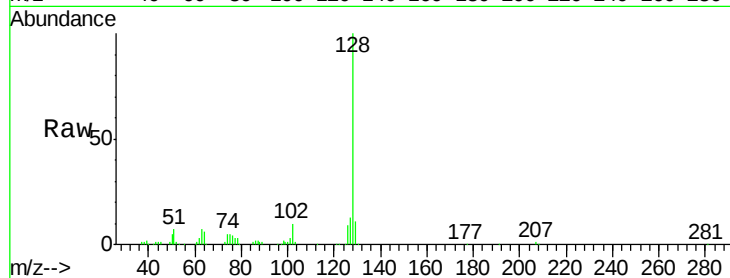
ClientSampleId :

VN1030WBSD01

Tot Ion:	128	Resp:	134011
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/2/2020 4:11:36 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.705 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064393.D

Acq: 30 Oct 2020 12:25

Tgt Ion:	180	Resp:	42397
Ion Ratio	Lower	Upper	
180	100		
182	100.2	46.1	138.3
145	33.2	16.2	48.5

