

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064321.D
 Acq On : 27 Oct 2020 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:32 PM

Quant Time: Oct 27 12:02:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 11:34:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	256569	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	423076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198590	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	419863	108.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.94%	
35) Dibromofluoromethane	7.55	113	298519	105.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.58%	
50) Toluene-d8	10.06	98	1097602	108.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.18%	
62) 4-Bromofluorobenzene	12.38	95	434452	105.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	290304	104.119	ug/l	99
3) Chloromethane	2.04	50	320166	108.489	ug/l	100
4) Vinyl Chloride	2.16	62	317556	107.721	ug/l	98
5) Bromomethane	2.51	94	197902	102.655	ug/l	95
6) Chloroethane	2.66	64	184020	103.052	ug/l	100
7) Trichlorofluoromethane	2.98	101	542645	111.860	ug/l	98
8) Diethyl Ether	3.37	74	174181	108.675	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	263182	105.135	ug/l	98
10) Methyl Iodide	3.91	142	377608	106.696	ug/l	99
11) Tert butyl alcohol	4.74	59	313243	589.678	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	258077	107.130	ug/l	95
13) Acrolein	3.57	56	67474	237.845	ug/l	91
14) Allyl chloride	4.27	41	529229	109.979	ug/l	97
15) Acrylonitrile	4.93	53	716807	649.420	ug/l	100
16) Acetone	3.77	43	728795	633.520	ug/l	100
17) Carbon Disulfide	4.01	76	741908	108.070	ug/l	100
18) Methyl Acetate	4.27	43	321252	112.941	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1002092	118.358	ug/l	98
20) Methylene Chloride	4.50	84	297836	101.934	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	286989	108.183	ug/l	92
22) Diisopropyl ether	5.90	45	1038819	114.050	ug/l	95
23) Vinyl Acetate	5.84	43	4652298	575.950	ug/l	99
24) 1,1-Dichloroethane	5.79	63	566009	108.424	ug/l	99
25) 2-Butanone	6.78	43	1092677	608.005	ug/l	99
26) 2,2-Dichloropropane	6.78	77	543230	104.637	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	335844	108.165	ug/l	100
28) Bromochloromethane	7.15	49	276873	111.481	ug/l	99
29) Tetrahydrofuran	7.16	42	715392	656.085	ug/l	99
30) Chloroform	7.33	83	600386	107.709	ug/l	99
31) Cyclohexane	7.61	56	481626	104.673	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	568429	108.966	ug/l	99
36) 1,1-Dichloropropene	7.75	75	448999	106.275	ug/l	99
37) Ethyl Acetate	6.88	43	456272	116.370	ug/l	99
38) Carbon Tetrachloride	7.73	117	522260	108.049	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	444346	114.525	ug/l	97
40) Benzene	8.00	78	1220878	104.618	ug/l	99
41) Methacrylonitrile	7.12	41	216864	105.783	ug/l #	92
42) 1,2-Dichloroethane	8.08	62	533512	105.991	ug/l	99
43) Isopropyl Acetate	8.13	43	788446	109.251	ug/l	99
44) Trichloroethene	8.80	130	328718	103.235	ug/l	97
45) 1,2-Dichloropropane	9.08	63	328327	105.589	ug/l	99
46) Dibromomethane	9.17	93	233023	110.697	ug/l	98
47) Bromodichloromethane	9.37	83	501092	108.135	ug/l	98
48) Methyl methacrylate	9.16	41	402887	107.461	ug/l	98
49) 1,4-Dioxane	9.16	88	122041	2649.430	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	2306320	590.998	ug/l	100
52) Toluene	10.12	92	782108	104.993	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	570118	111.278	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	578672	106.913	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	307894	108.906	ug/l	98
56) Ethyl methacrylate	10.40	69	497318	113.674	ug/l	98
57) 1,3-Dichloropropane	10.68	76	541598	110.203	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1313472	585.043	ug/l	99
59) 2-Hexanone	10.72	43	1737858	607.704	ug/l	100
60) Dibromochloromethane	10.87	129	388846	106.356	ug/l	99
61) 1,2-Dibromoethane	10.98	107	336223	112.400	ug/l	99
64) Tetrachloroethene	10.60	164	321700	102.716	ug/l	97
65) Chlorobenzene	11.41	112	844953	105.685	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	333866	105.182	ug/l	98
67) Ethyl Benzene	11.48	91	1578603	107.213	ug/l	99
68) m/p-Xylenes	11.59	106	1172958	214.845	ug/l	98
69) o-Xylene	11.92	106	566977	108.102	ug/l	96
70) Styrene	11.94	104	965559	109.347	ug/l	99
71) Bromoform	12.10	173	283869	115.503	ug/l #	97
73) Isopropylbenzene	12.22	105	1499030	99.532	ug/l	100
74) N-amyl acetate	12.04	43	718085	109.565	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	428720	105.824	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	460160m	106.648	ug/l	
77) Bromobenzene	12.50	156	373584	104.279	ug/l	99
78) n-propylbenzene	12.57	91	1740118	102.121	ug/l	100
79) 2-Chlorotoluene	12.65	91	1063515	101.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1290284	101.198	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	181710	108.628	ug/l	97
82) 4-Chlorotoluene	12.75	91	1120701	102.703	ug/l	99
83) tert-Butylbenzene	12.97	119	1060103	101.504	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1301963	102.397	ug/l	99
85) sec-Butylbenzene	13.14	105	1357824	103.149	ug/l	100
86) p-Isopropyltoluene	13.26	119	1246586	103.859	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	668289	105.296	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	666286	102.805	ug/l	99
89) n-Butylbenzene	13.59	91	1092161	102.226	ug/l	100
90) Hexachloroethane	13.85	117	239901	108.399	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	649786	104.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	113623	111.700	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	370590	107.150	ug/l	99
94) Hexachlorobutadiene	14.98	225	185552	99.043	ug/l	98
95) Naphthalene	15.10	128	1145826	110.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	356388	104.023	ug/l	97

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

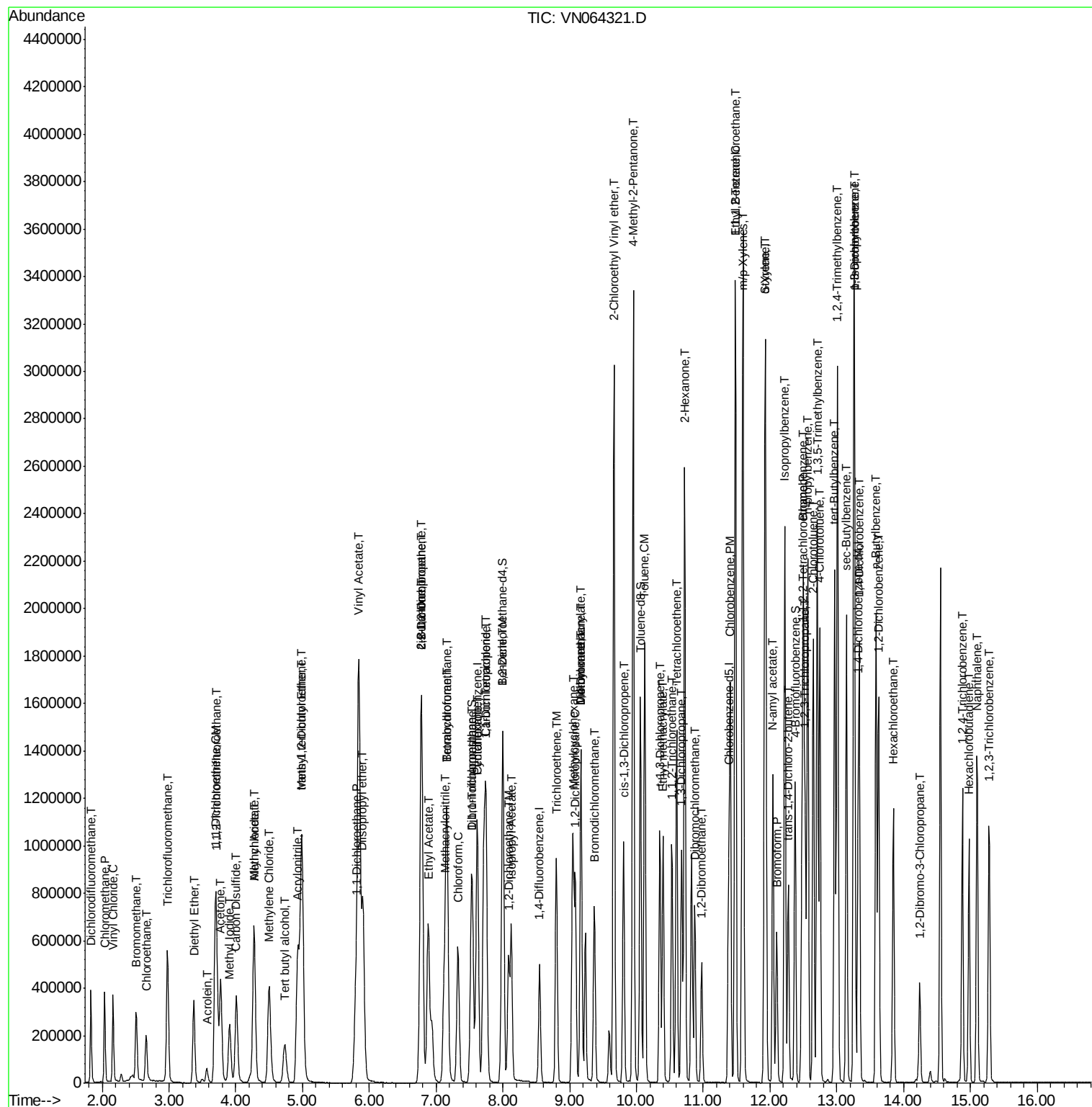
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Data File : VN064321.D
Acq On : 27 Oct 2020 11:40
Operator : JC/MD
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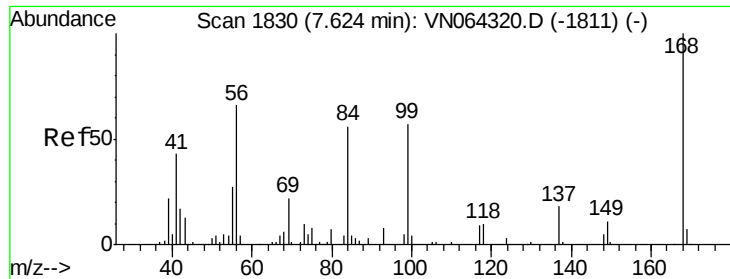
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 256569

Ion Ratio Lower Upper

168 100

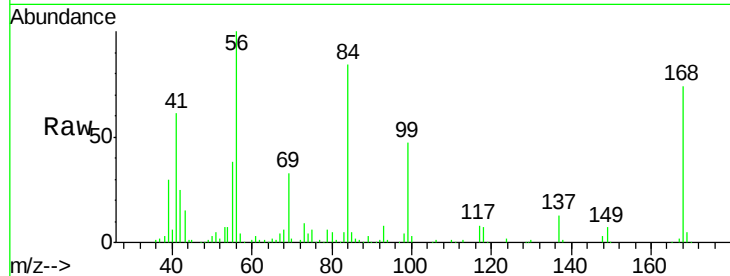
99 63.7 52.7 79.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

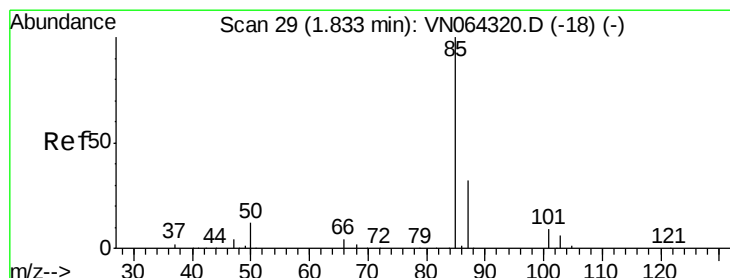
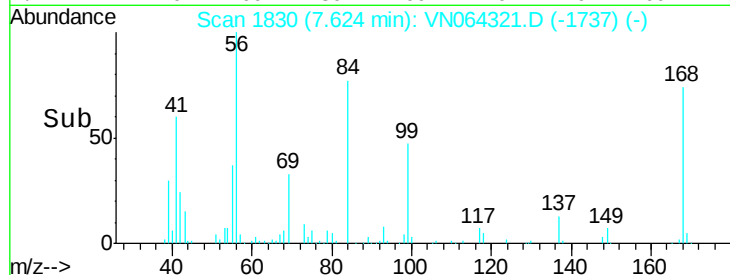
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 104.119 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064321.D

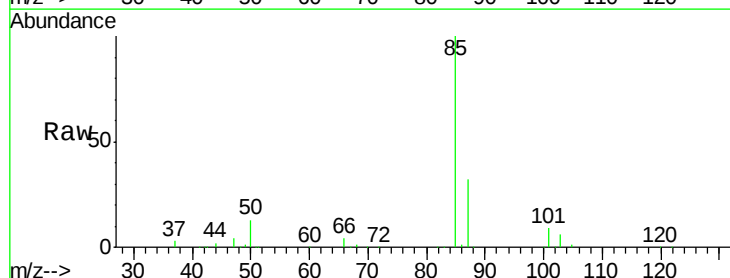
Acq: 27 Oct 2020 11:40

Tgt Ion: 85 Resp: 290304

Ion Ratio Lower Upper

85 100

87 32.4 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

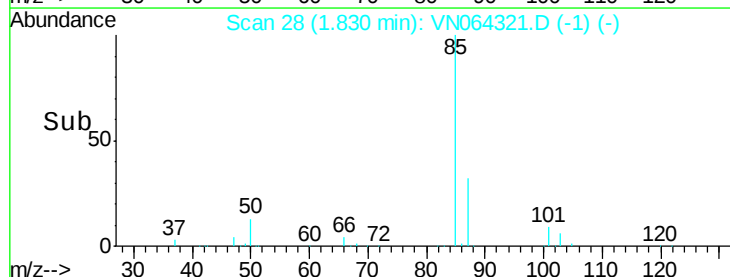
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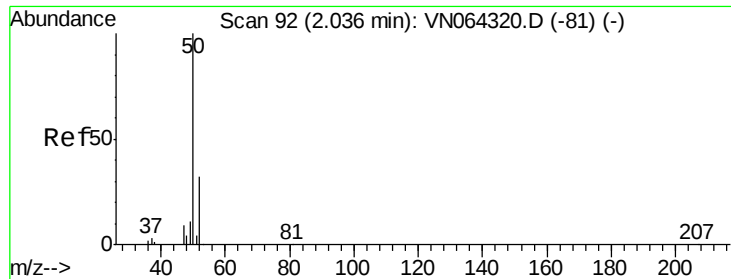
50000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 108.489 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 320166

Ion Ratio Lower Upper

50 100

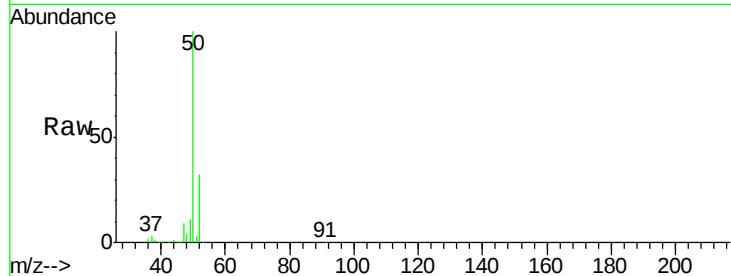
52 32.0 25.6 38.4

Manual Integrations

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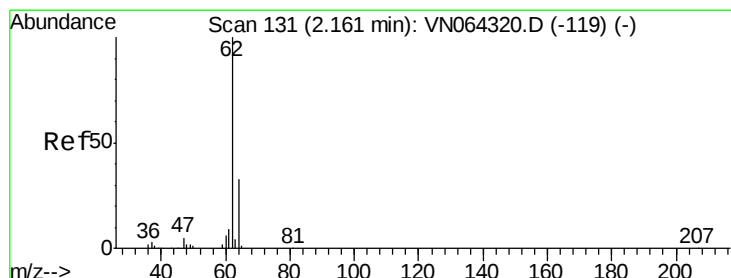
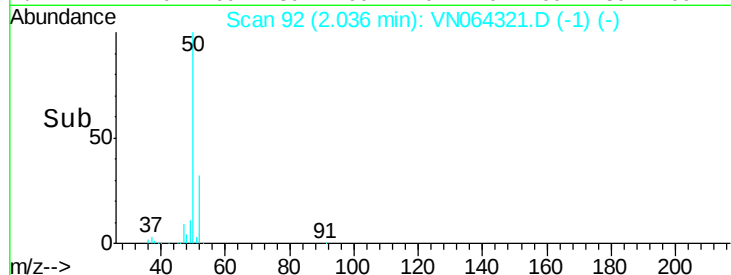
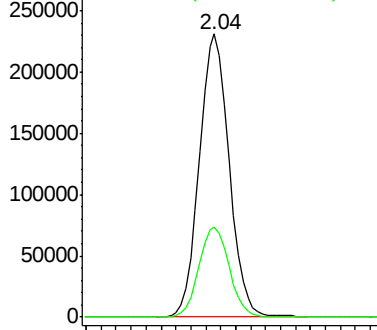
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 107.721 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064321.D

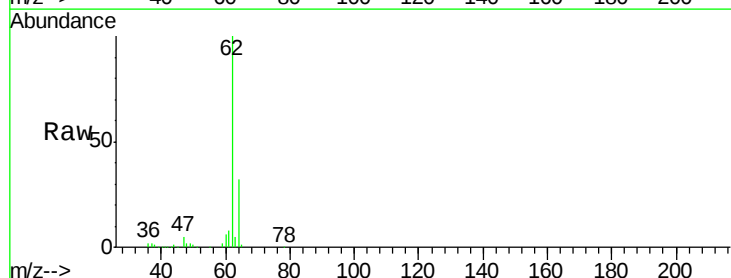
Acq: 27 Oct 2020 11:40

Tgt Ion: 62 Resp: 317556

Ion Ratio Lower Upper

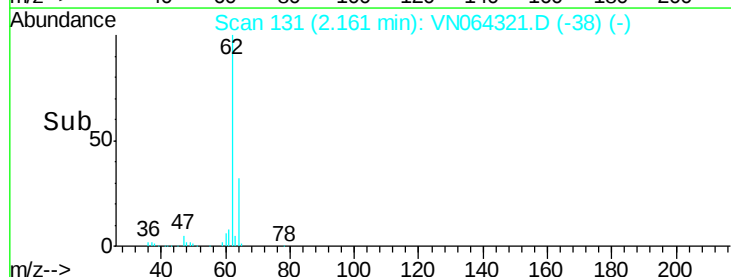
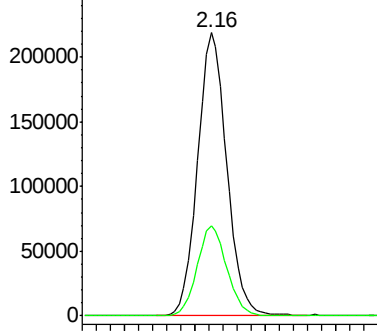
62 100

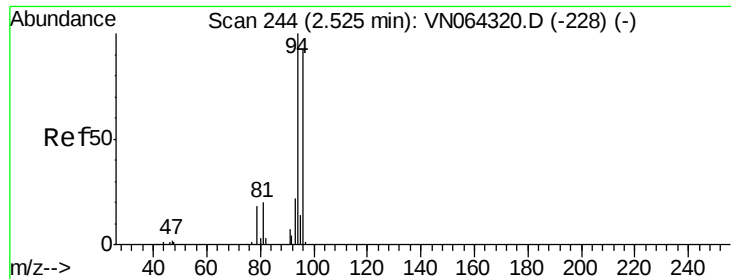
64 31.9 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 102.655 ug/l

RT: 2.51 min Scan# 239

Delta R.T. -0.02 min

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Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 197902

Ion Ratio Lower Upper

94 100

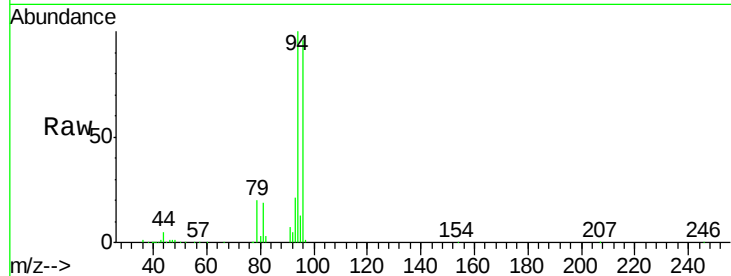
96 96.5 73.6 110.4

Manual Integrations

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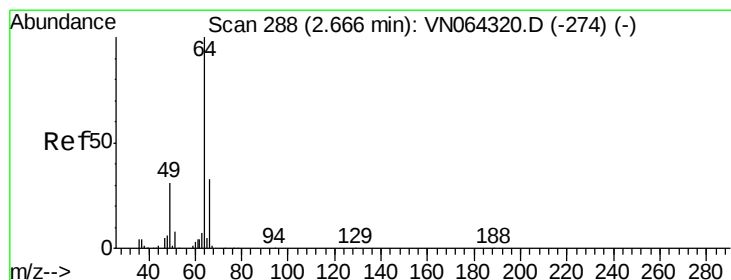
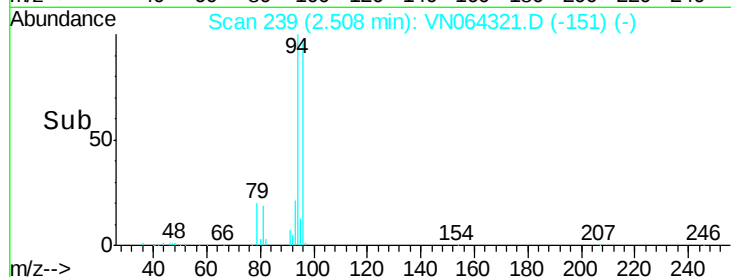
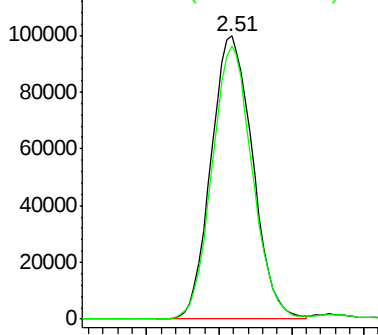
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 103.052 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN064321.D

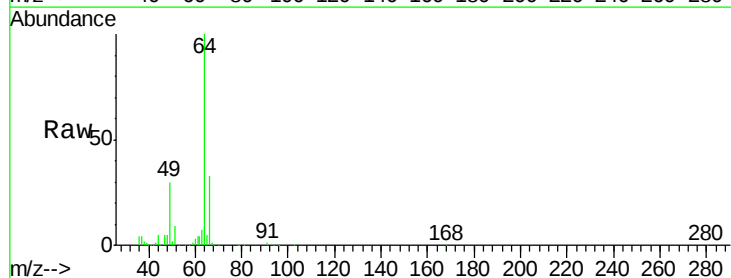
Acq: 27 Oct 2020 11:40

Tgt Ion: 64 Resp: 184020

Ion Ratio Lower Upper

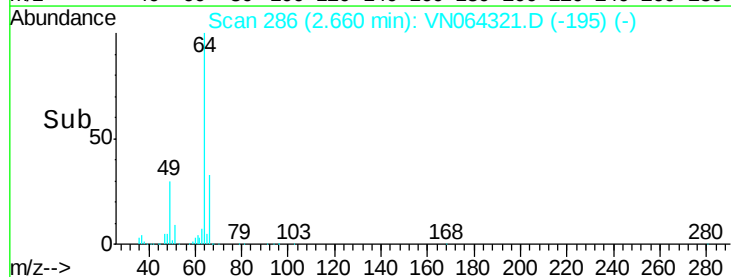
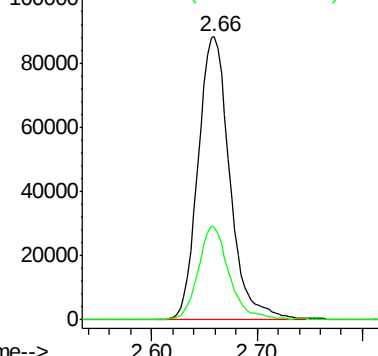
64 100

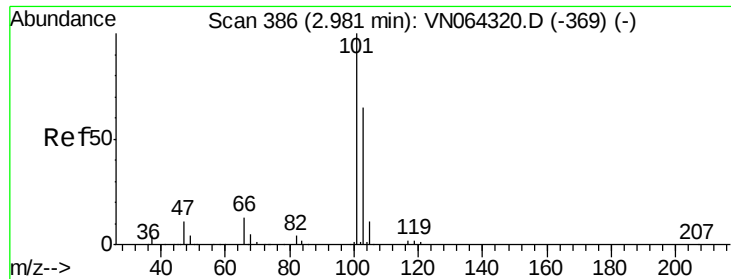
66 32.9 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

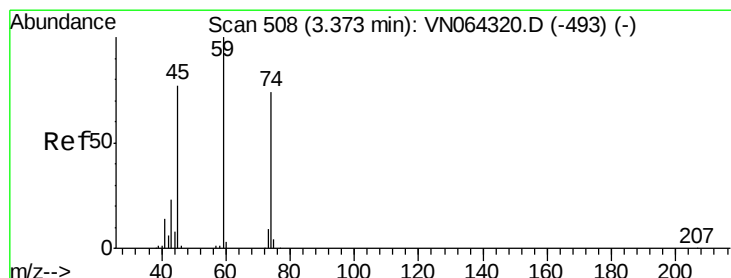
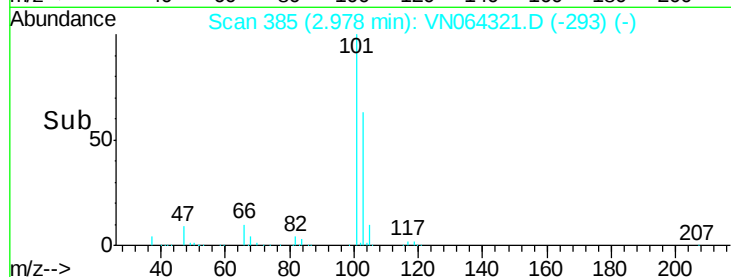
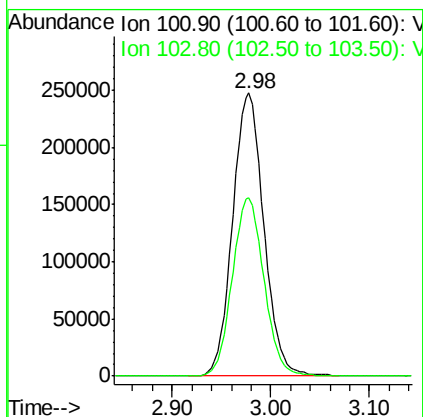
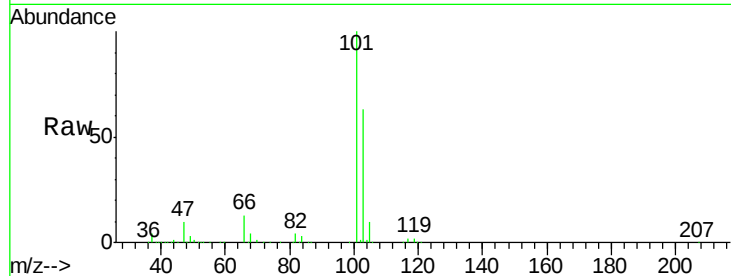
Trichlorofluoromethane
 Concen: 111.860 ug/l
 RT: 2.98 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.7	77.5

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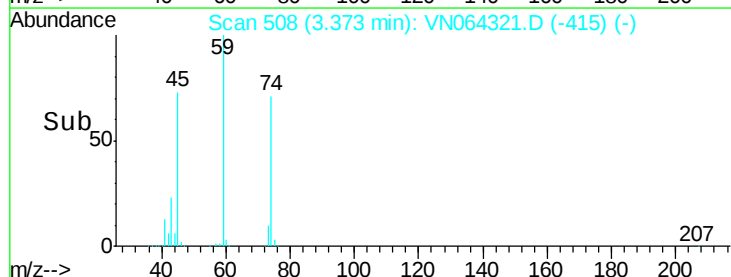
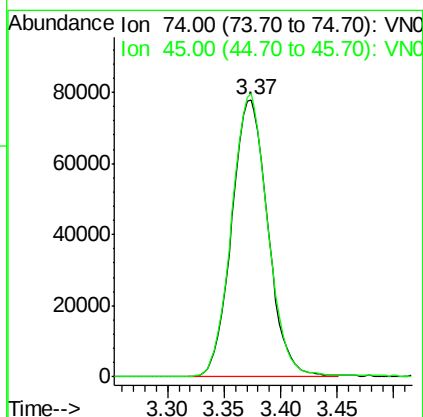
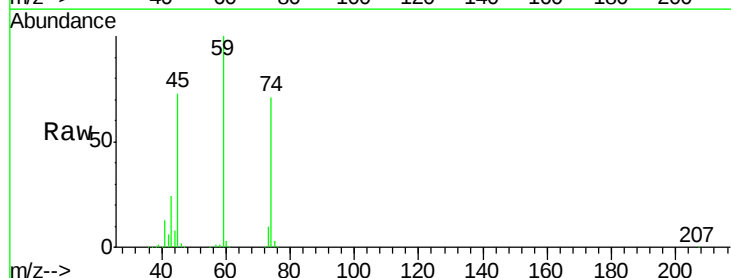
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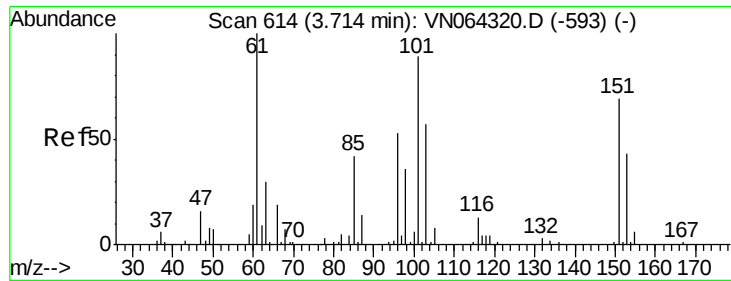


#8

Diethyl Ether
 Concen: 108.675 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.135 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

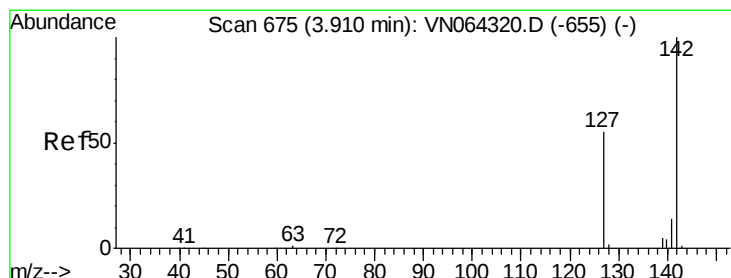
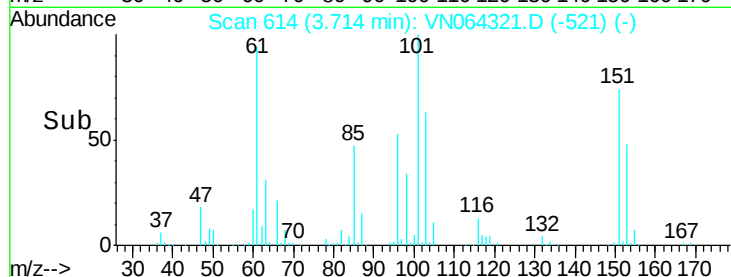
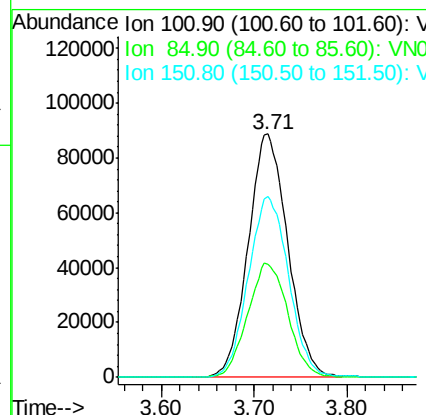
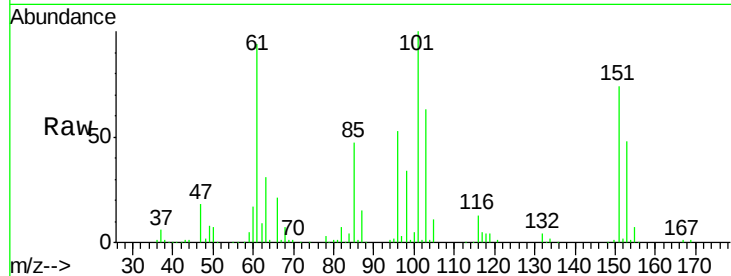
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	263182
Ion Ratio	Lower	Upper	
101	100		
85	47.5	38.4	57.6
151	75.5	62.0	93.0

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#10

Methyl Iodide

Concen: 106.696 ug/l

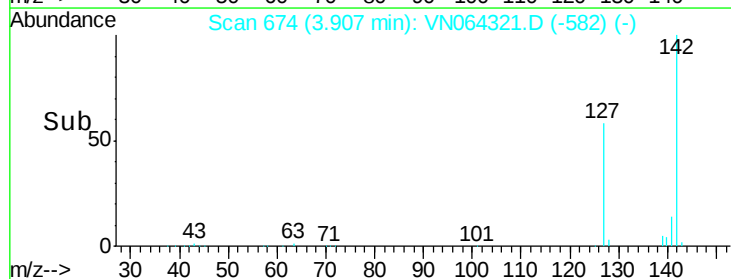
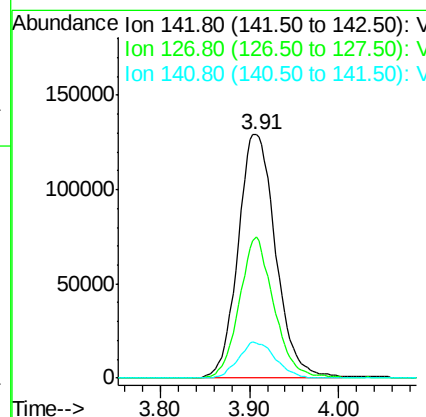
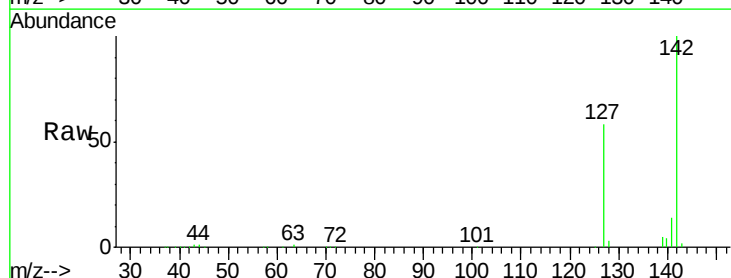
RT: 3.91 min Scan# 674

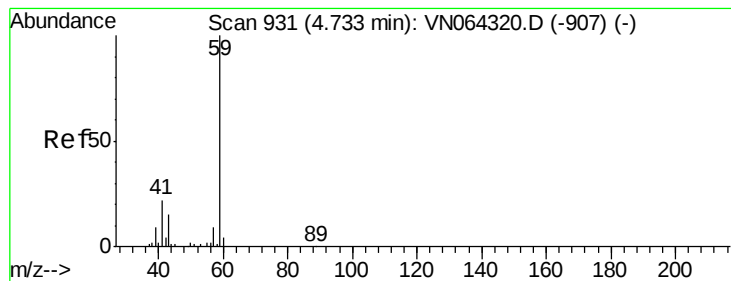
Delta R.T. -0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion:	142	Resp:	377608
Ion Ratio	Lower	Upper	
142	100		
127	53.3	43.3	64.9
141	14.6	11.5	17.3





#11

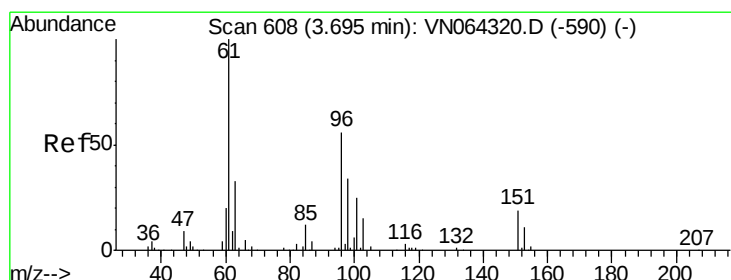
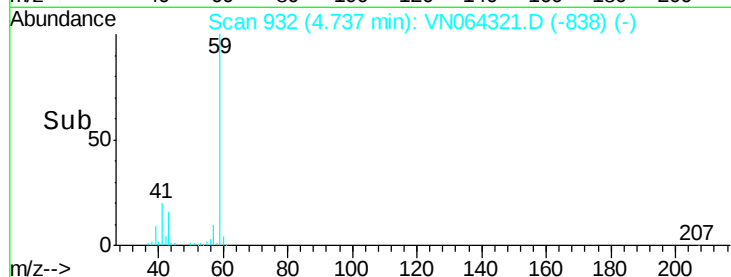
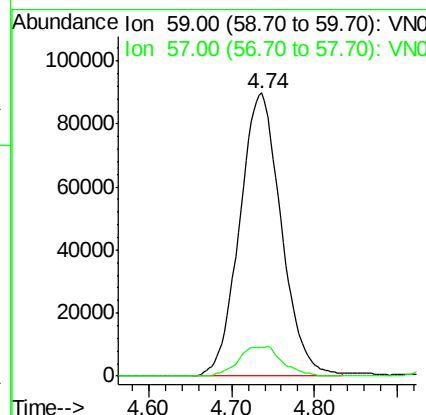
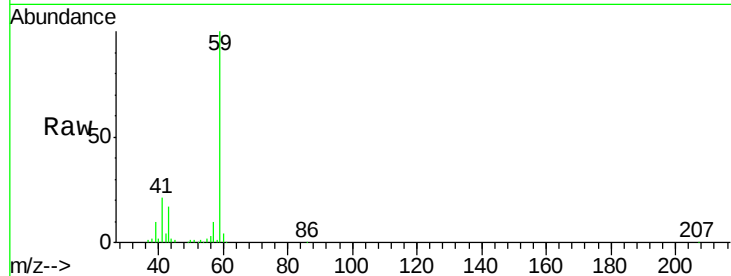
Tert butyl alcohol
Concen: 589.678 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	9.4	14.0#

Manual Integrations
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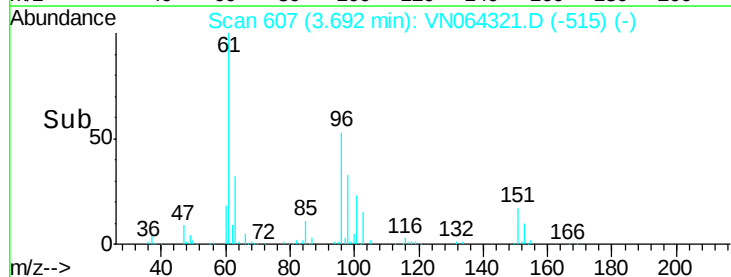
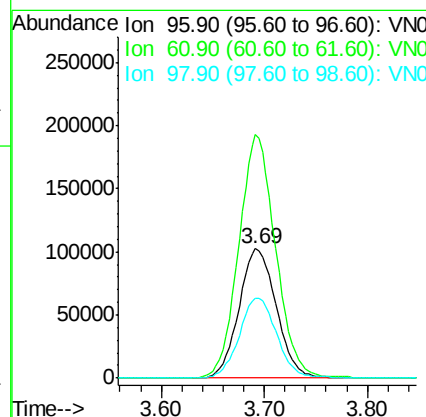
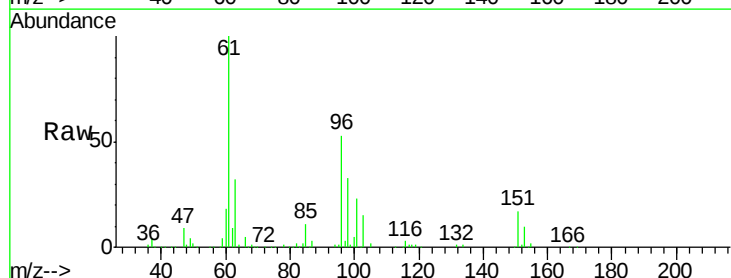
MMDadoda
10/28/2020 12:35:32 PM

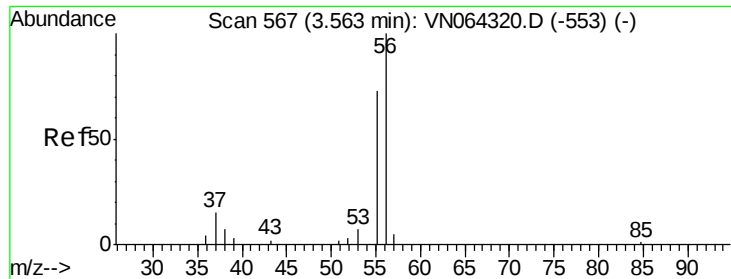


#12

1,1-Dichloroethene
Concen: 107.130 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.1	143.6	215.4
98	61.7	48.6	73.0





#13

Acrolein

Concen: 237.845 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 67474

Ion Ratio Lower Upper

56 100

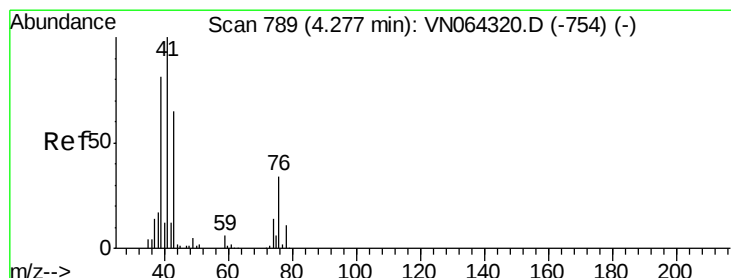
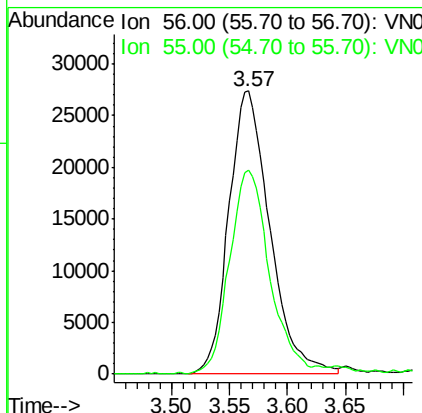
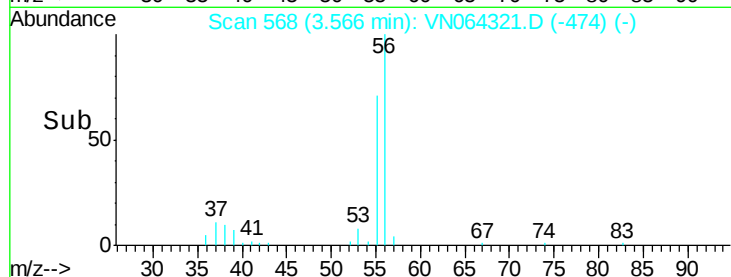
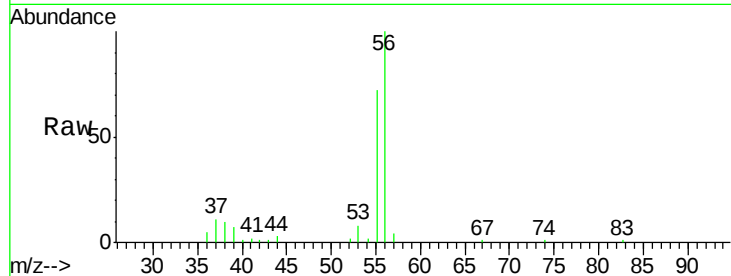
55 70.7 62.6 94.0

Manual Integrations

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#14

Allyl chloride

Concen: 109.979 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

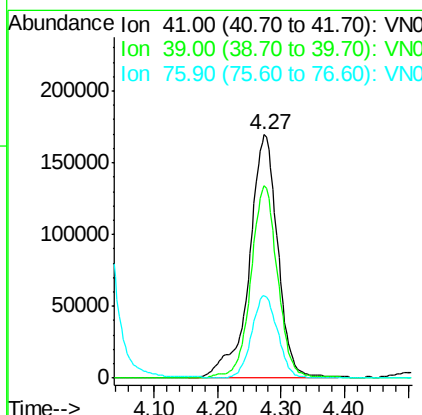
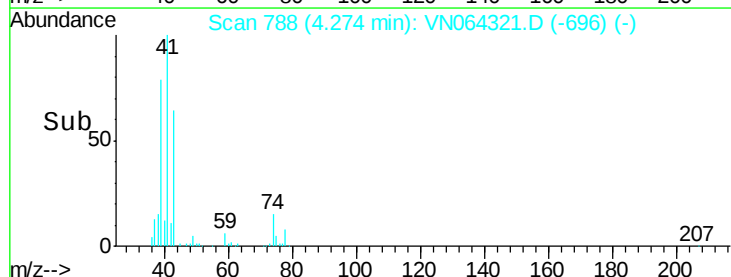
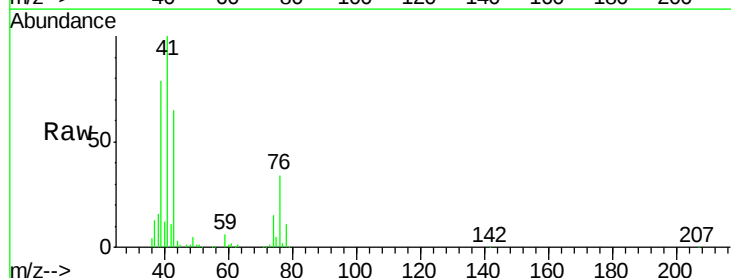
Tgt Ion: 41 Resp: 529229

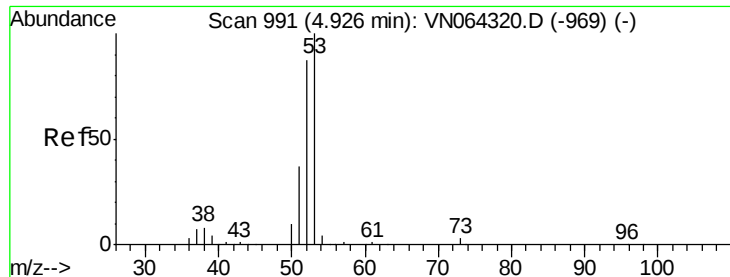
Ion Ratio Lower Upper

41 100

39 73.6 61.7 92.5

76 30.2 24.0 36.0





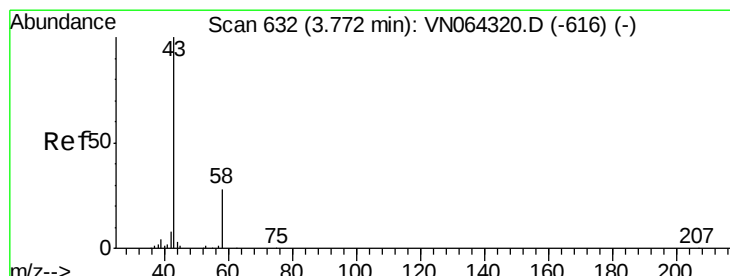
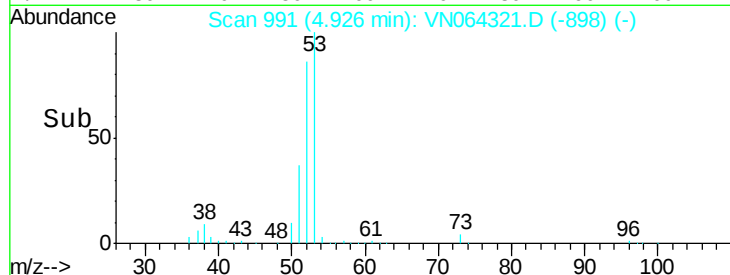
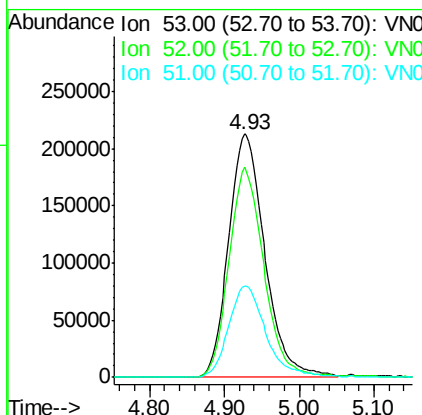
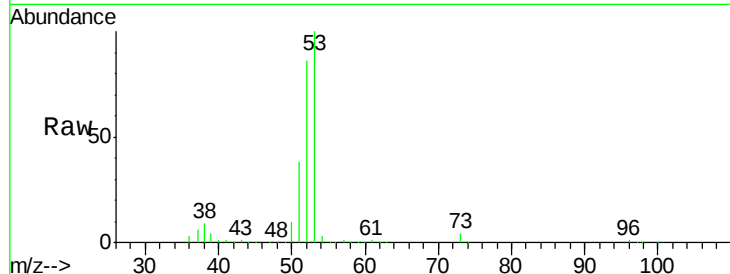
#15
 Acrylonitrile
 Concen: 649.420 ug/l
 RT: 4.93 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	53	Resp:	716807
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	38.5	30.4	45.6

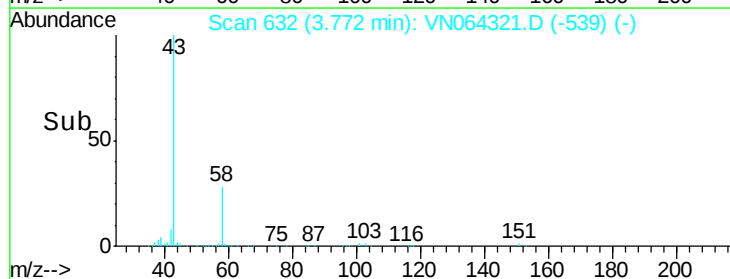
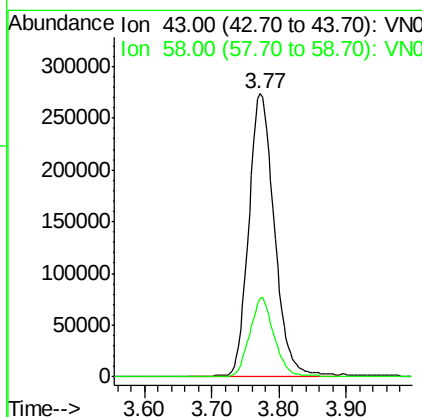
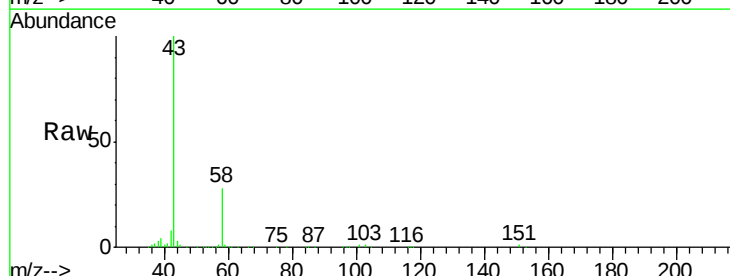
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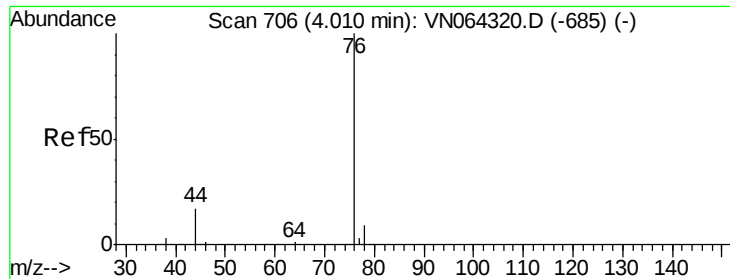
MMDadoda
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#16
 Acetone
 Concen: 633.520 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion:	43	Resp:	728795
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.1	33.1





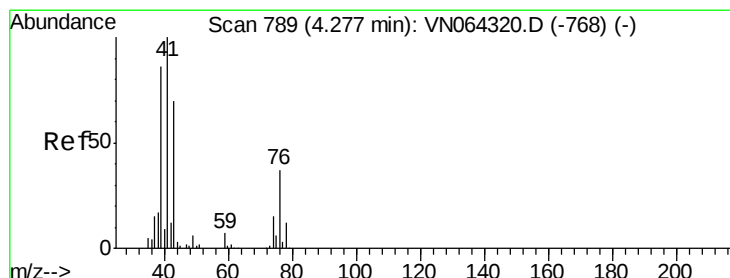
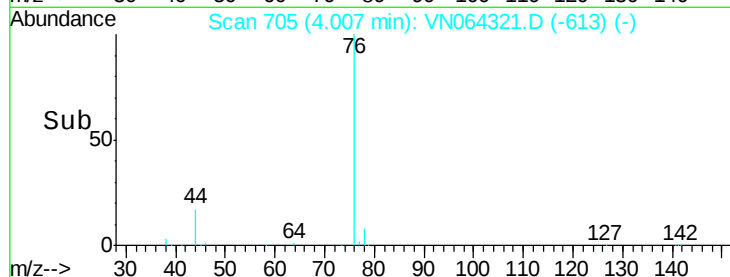
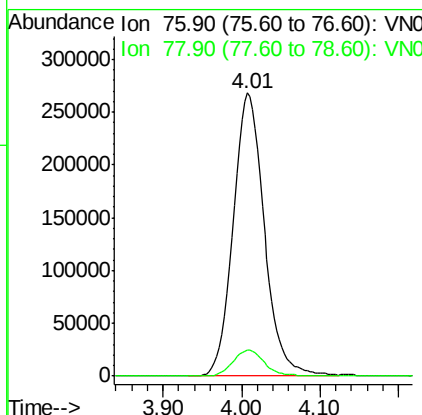
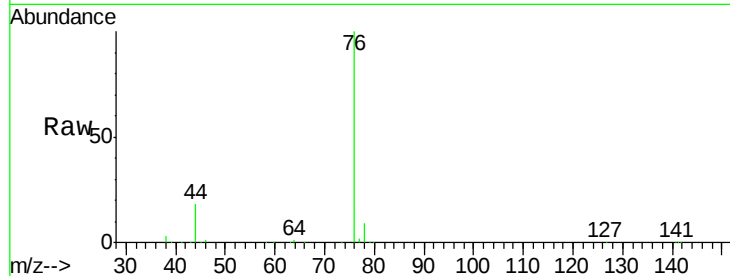
#17
Carbon Disulfide
Concen: 108.070 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

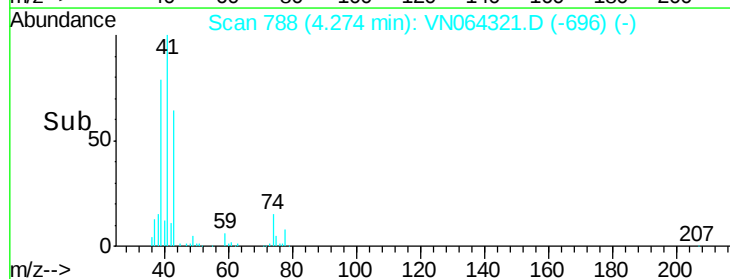
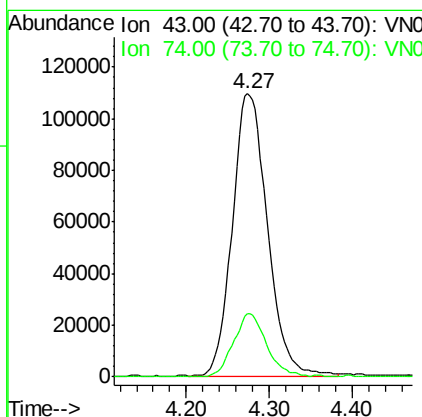
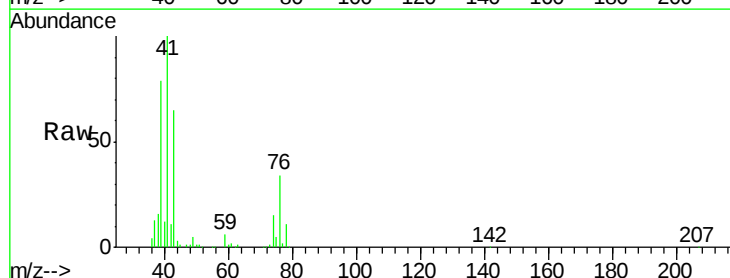
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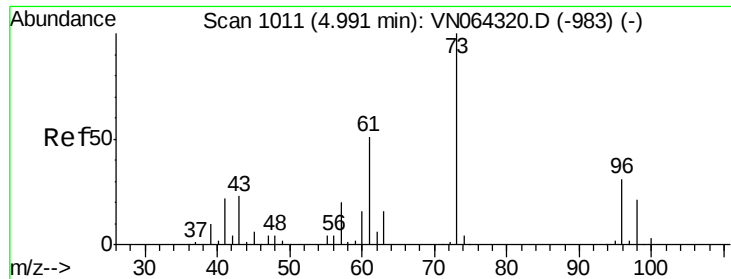
MMDadoda
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#18
Methyl Acetate
Concen: 112.941 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.7	25.1





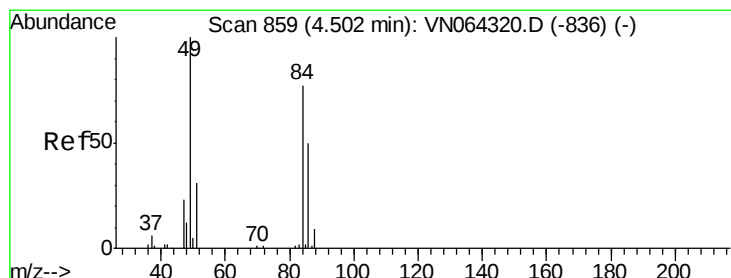
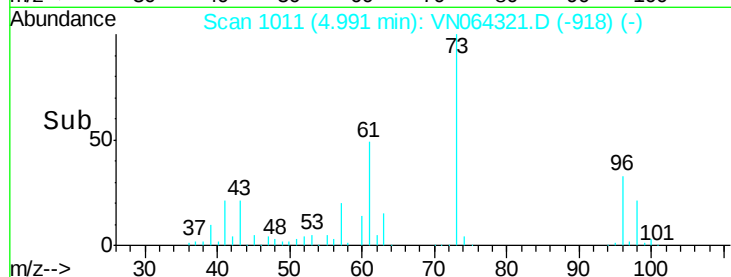
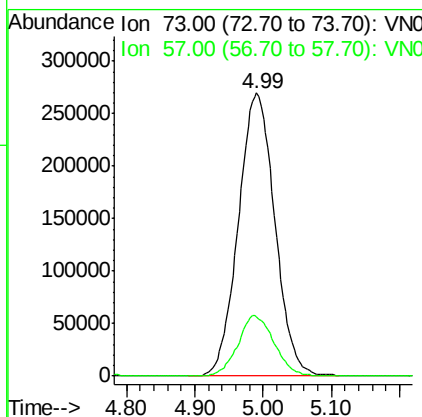
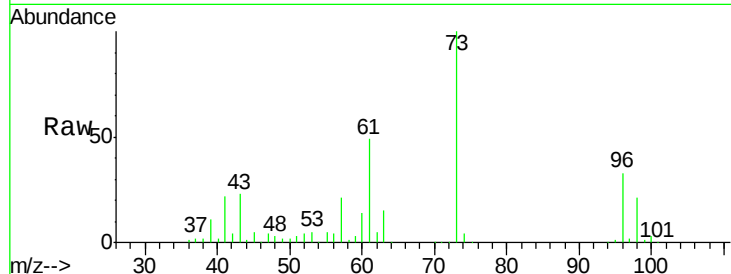
#19
Methvl tert-butvl Ether
Concen: 118.358 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1002092
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1

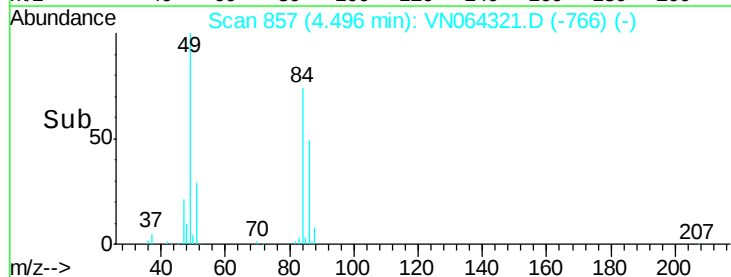
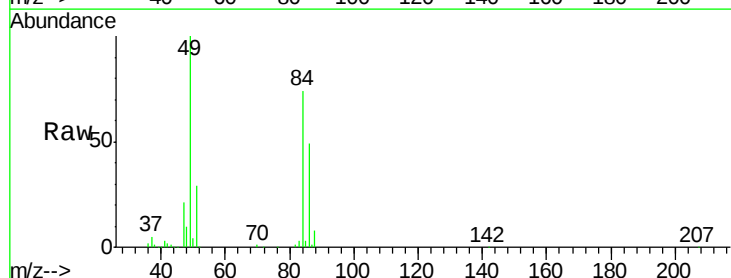
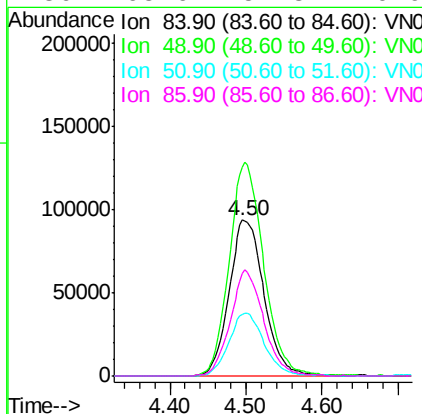
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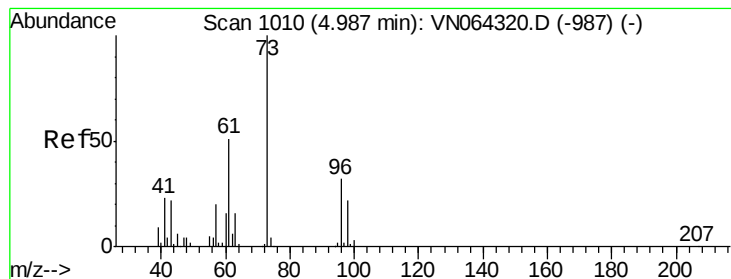
MMDadoda
10/28/2020 12:35:32 PM



#20
Methylene Chloride
Concen: 101.934 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.01 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion: 84 Resp: 297836
Ion Ratio Lower Upper
84 100
49 134.3 103.6 155.4
51 39.6 31.8 47.8
86 65.6 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 108.183 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 286989

Ion Ratio Lower Upper

96 100

61 149.5 128.2 192.2

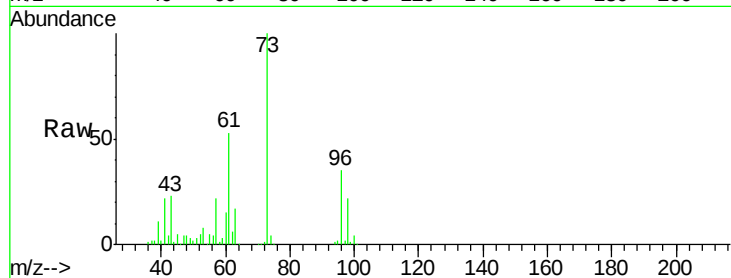
98 63.9 56.1 84.1

Manual Integrations

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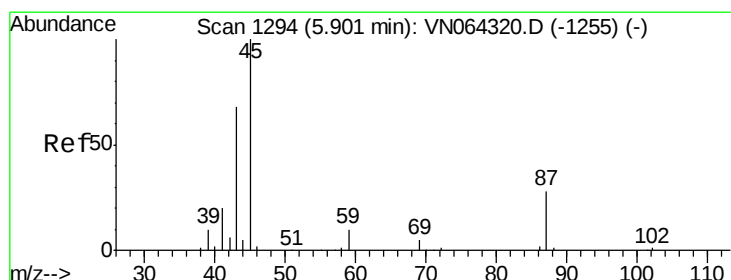
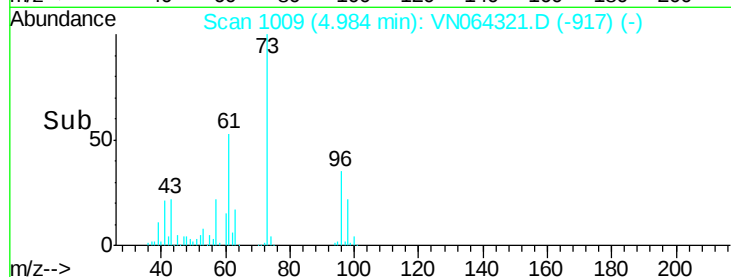
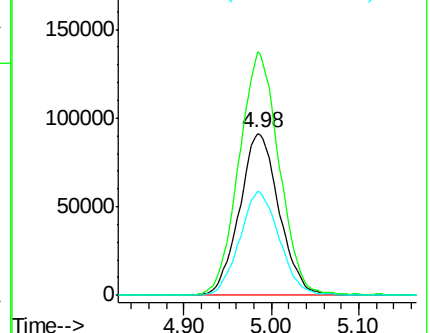
10/28/2020 12:35:32 PM



Abundance Ion 95.90 (95.60 to 96.60): VN064321.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064321.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064321.D (-917) (-)



#22

Diisopropyl ether

Concen: 114.050 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion: 45 Resp: 1038819

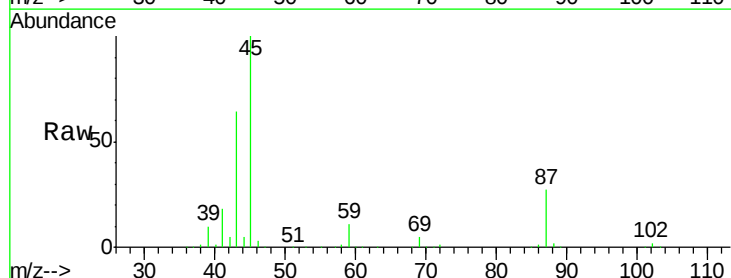
Ion Ratio Lower Upper

45 100

43 63.3 54.6 82.0

87 26.5 22.6 33.8

59 10.6 8.6 12.8

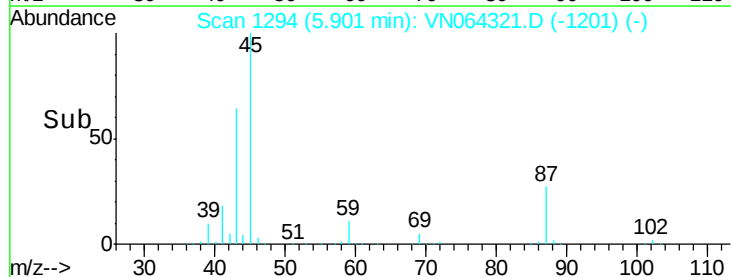
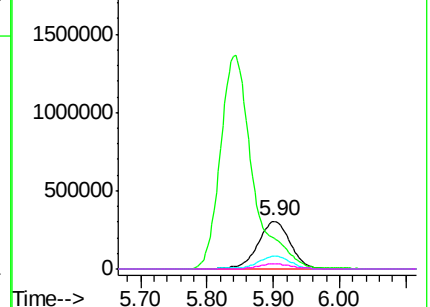


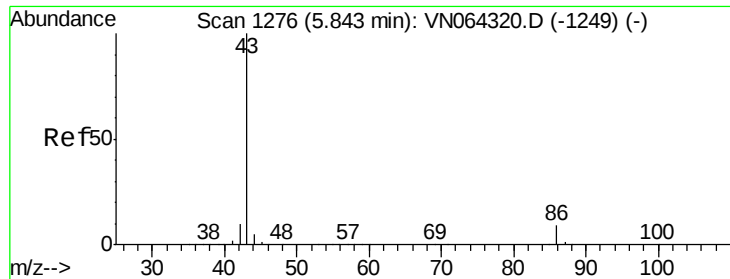
Abundance Ion 45.00 (44.70 to 45.70): VN064321.D (-1201) (-)

Ion 43.00 (42.70 to 43.70): VN064321.D (-1201) (-)

Ion 87.00 (86.70 to 87.70): VN064321.D (-1201) (-)

Ion 59.00 (58.70 to 59.70): VN064321.D (-1201) (-)





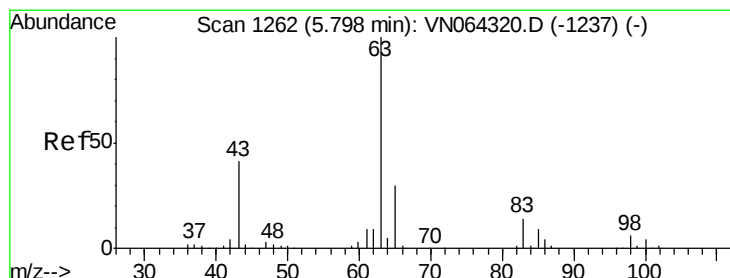
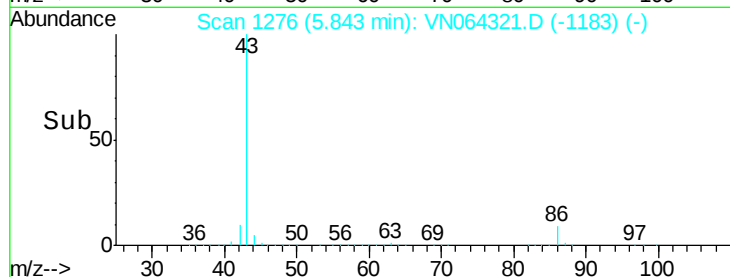
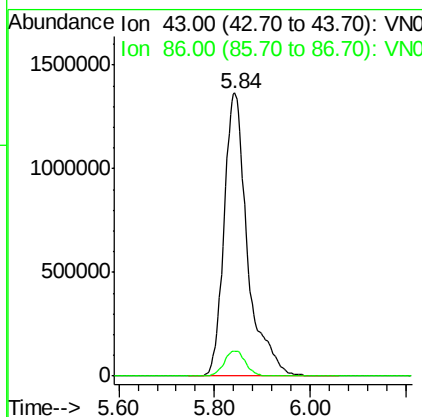
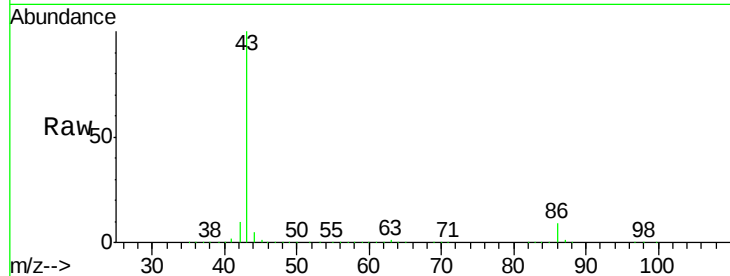
#23
 Vinyl Acetate
 Concen: 575.950 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 4652298
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.3 10.9

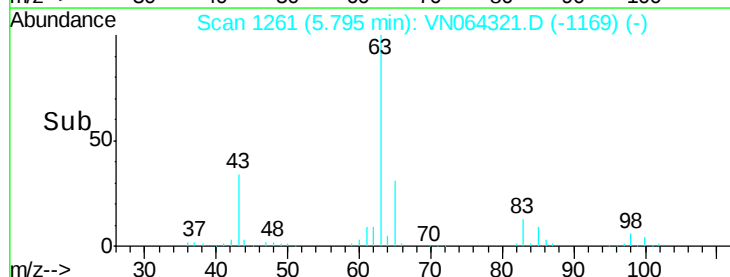
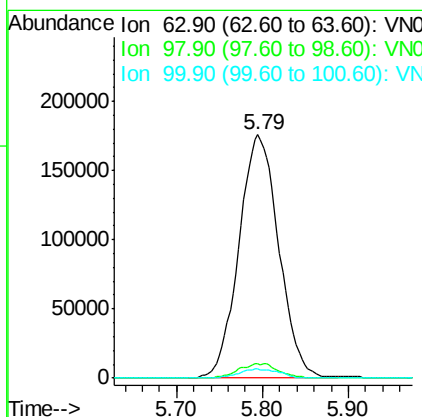
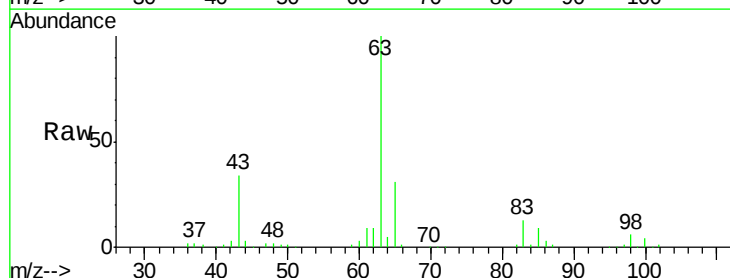
Manual Integrations
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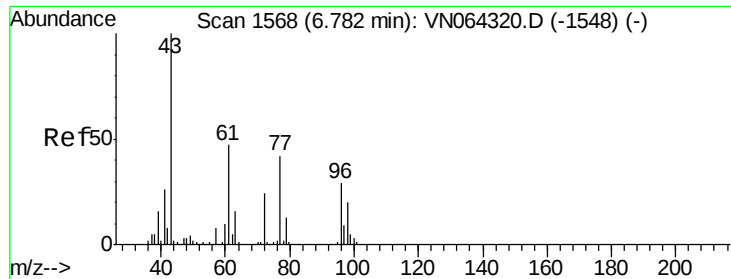
MMDadoda
 10/28/2020 12:35:32 PM



#24
 1,1-Dichloroethane
 Concen: 108.424 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion: 63 Resp: 566009
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.1 9.4
 100 3.6 2.0 5.8





#25

2-Butanone

Concen: 608.005 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tot Ion: 43 Resp: 1092677

Ion Ratio Lower Upper

43 100

72 24.1 18.8 28.2

Instrument :

MSVOA_N

ClientSampleId :

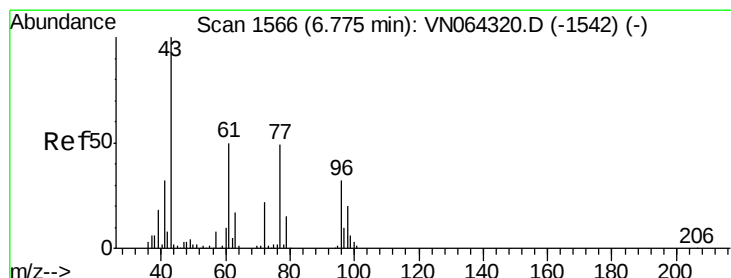
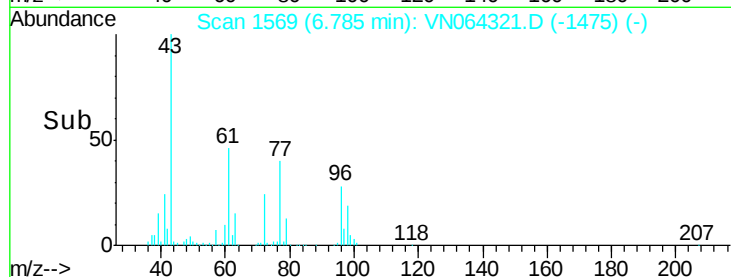
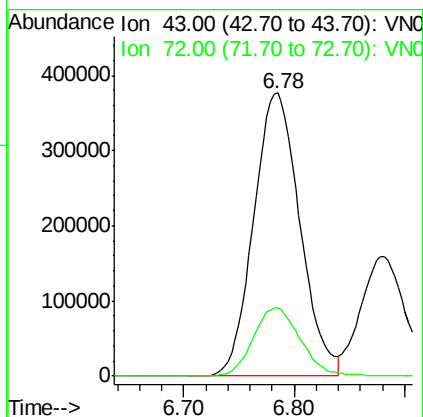
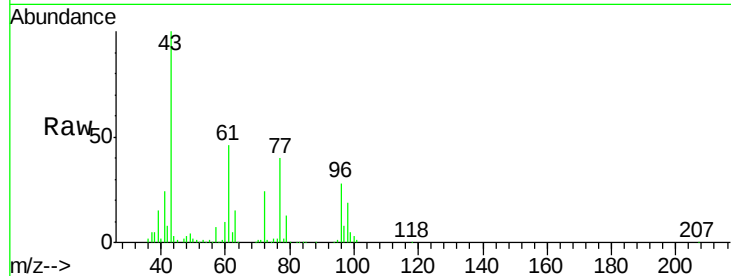
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 104.637 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064321.D

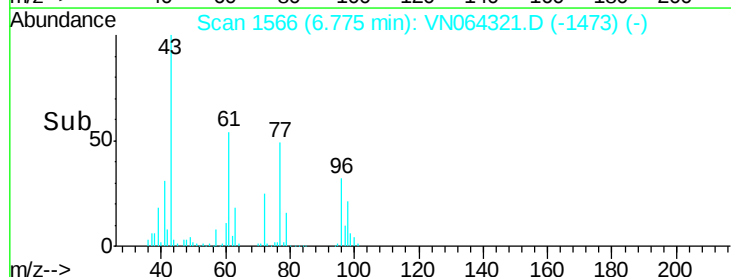
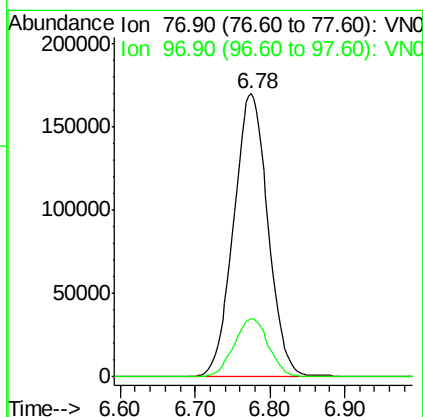
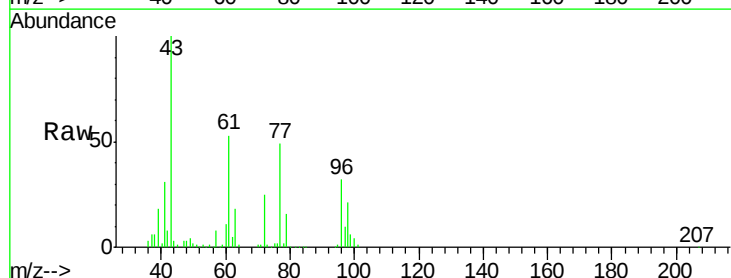
Acq: 27 Oct 2020 11:40

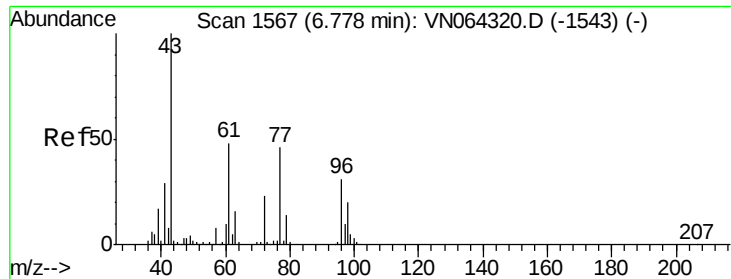
Tgt Ion: 77 Resp: 543230

Ion Ratio Lower Upper

77 100

97 20.6 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 108.165 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

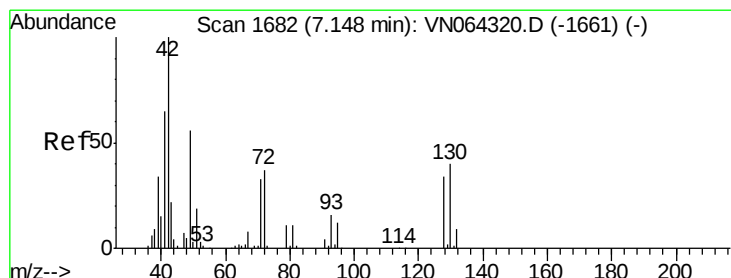
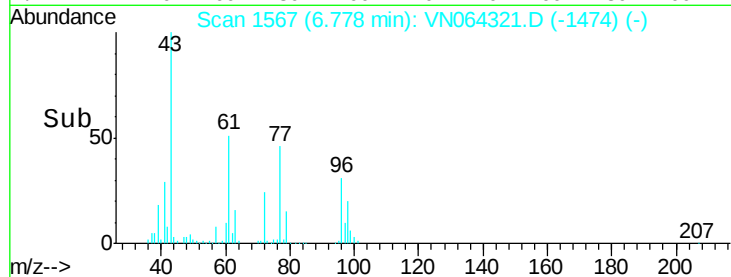
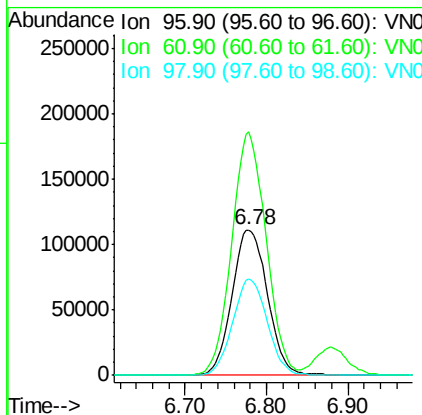
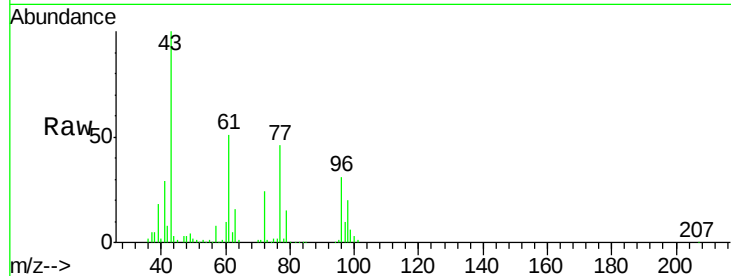
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	335844
Ion Ratio	Lower	Upper	
96	100		
61	162.1	0.0	325.0
98	64.7	0.0	128.4

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#28

Bromochloromethane

Concen: 111.481 ug/l

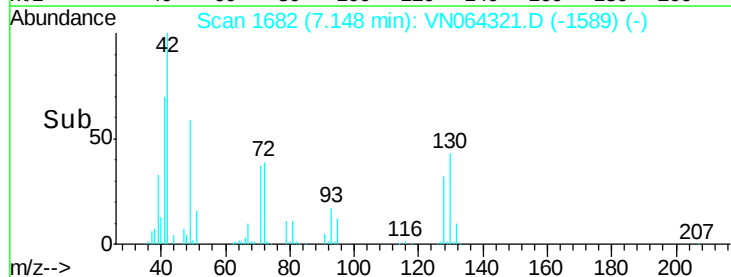
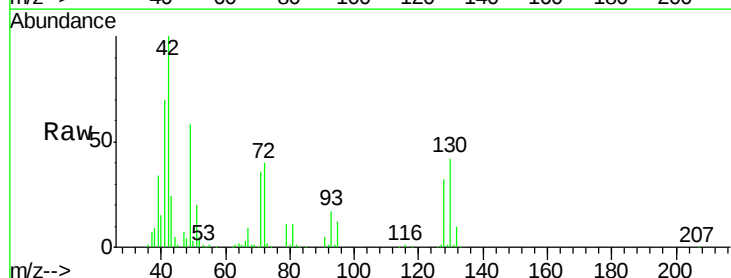
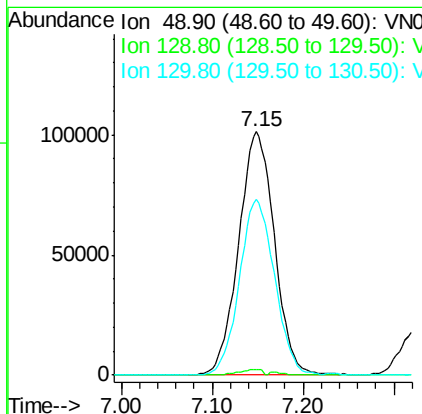
RT: 7.15 min Scan# 1682

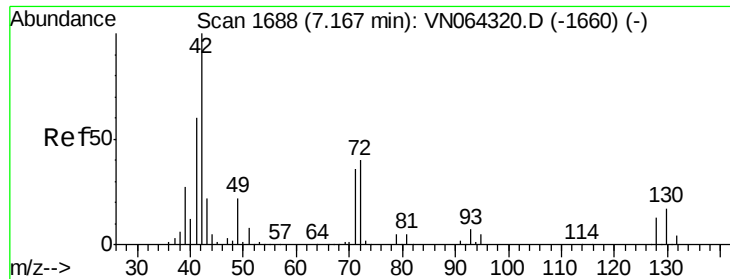
Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion:	49	Resp:	276873
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	2.8
130	71.0	56.2	84.2





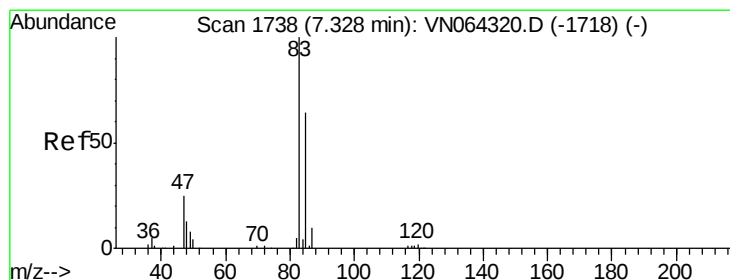
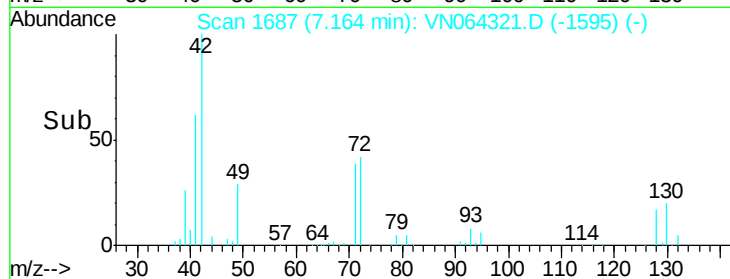
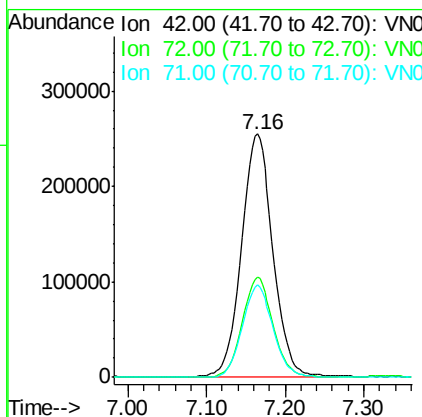
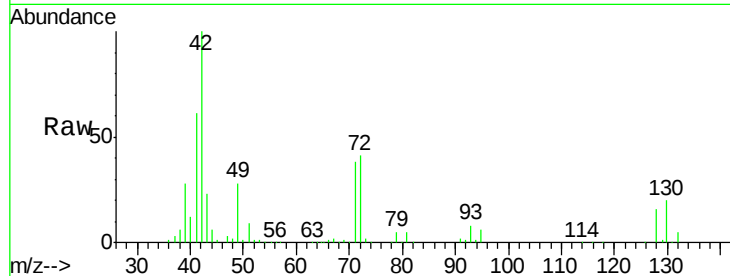
#29
Tetrahydrofuran
Concen: 656.085 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.6	47.4
71	37.3	29.4	44.0

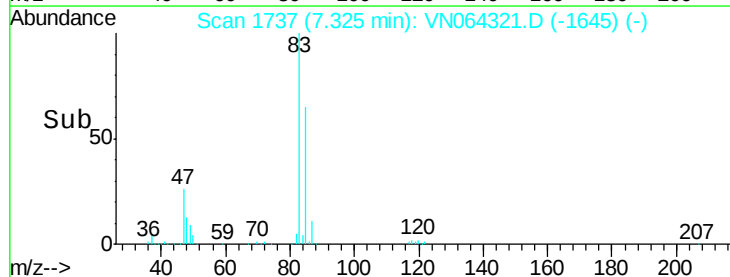
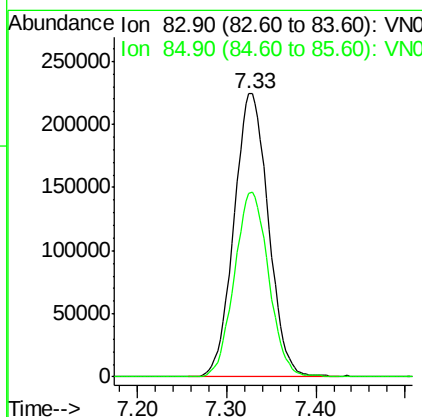
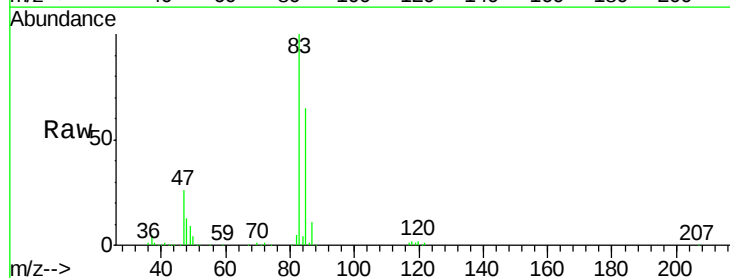
Manual Integrations
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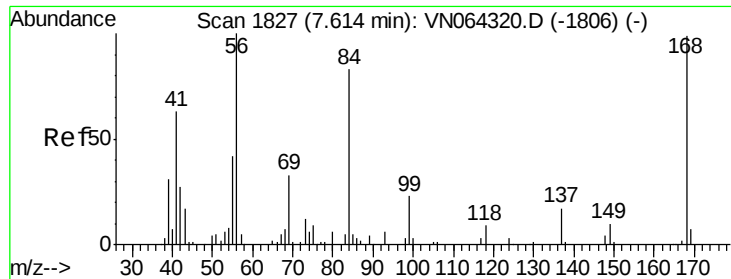
MMDadoda
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#30
Chloroform
Concen: 107.709 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.1	76.7





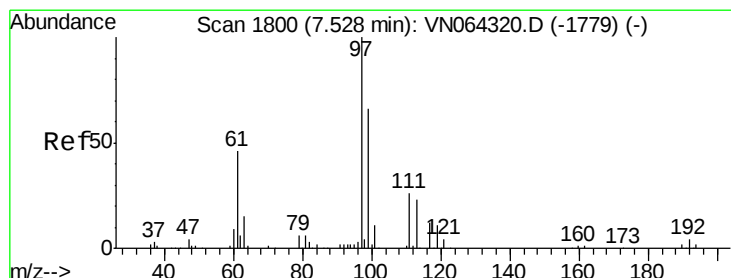
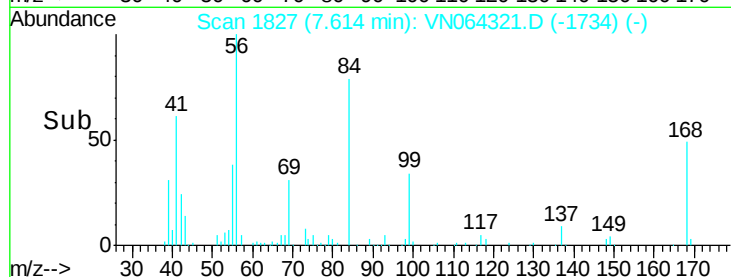
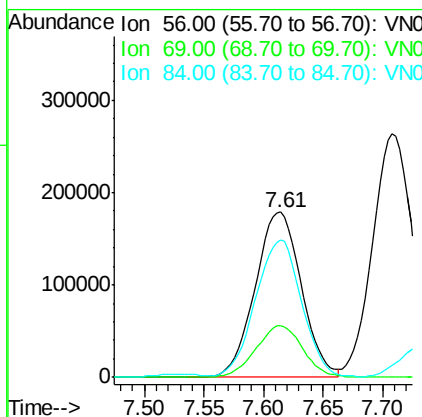
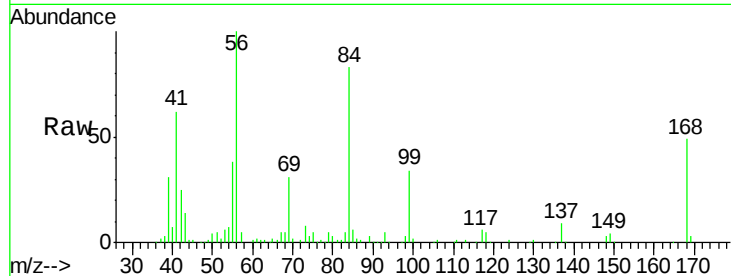
#31
Cyclohexane
Concen: 104.673 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.8	38.8
84	81.6	66.3	99.5

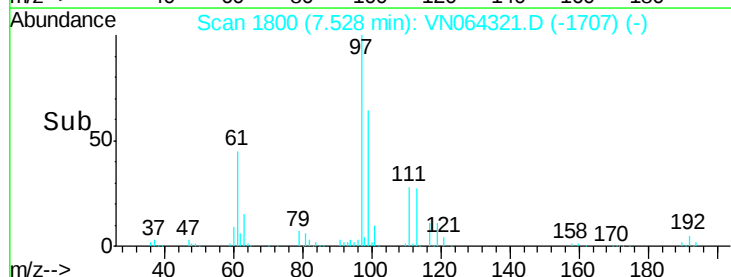
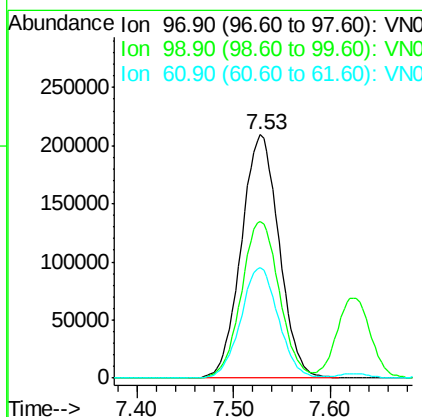
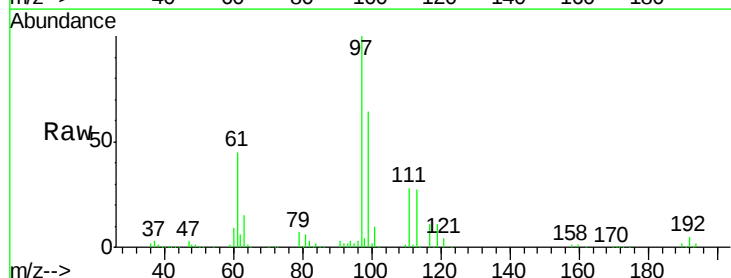
Manual Integrations
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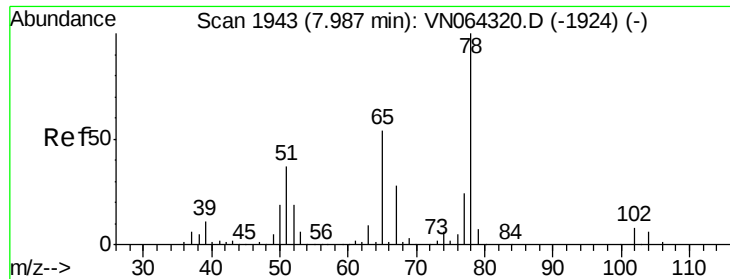
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 108.966 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.6	76.0
61	45.0	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 108.968 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 419863

Ion Ratio Lower Upper

65 100

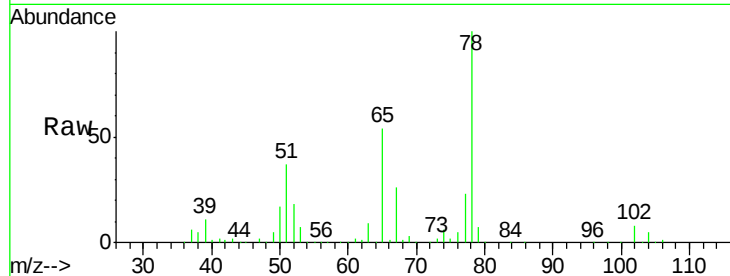
67 48.8 0.0 99.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN064321.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064321.D (-1850) (-)

7.99

200000

150000

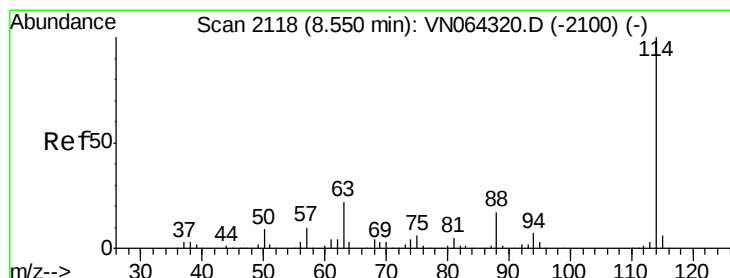
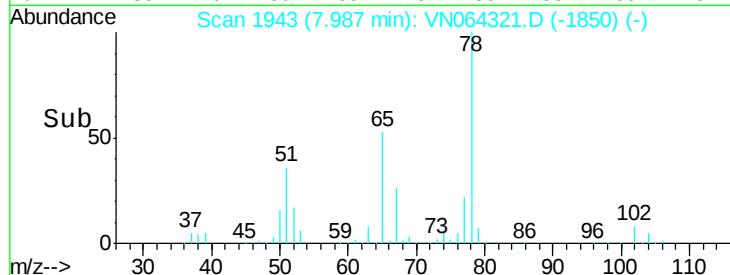
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

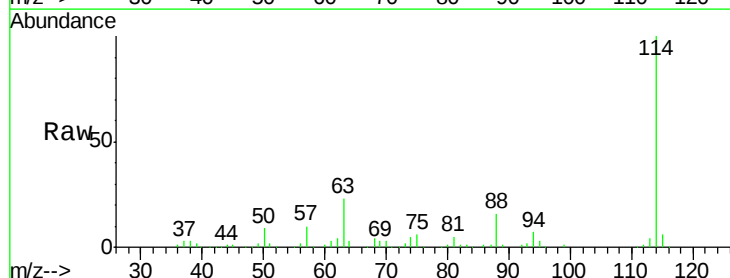
Tgt Ion: 114 Resp: 423076

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.6

88 16.4 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN064321.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064321.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064321.D (-2025) (-)

8.55

250000

200000

150000

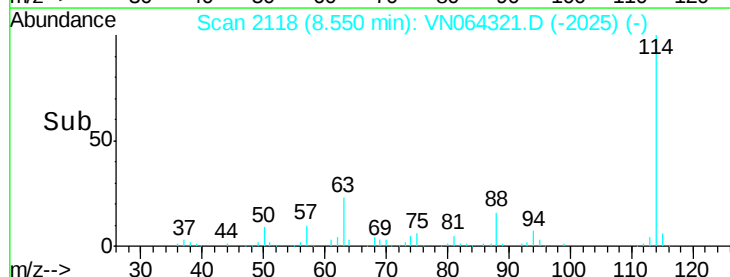
100000

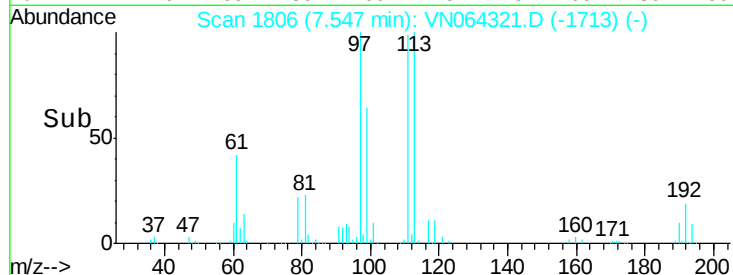
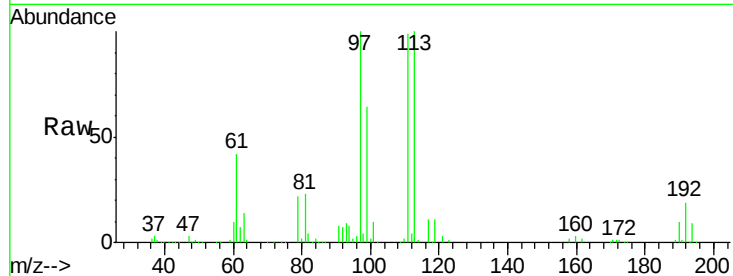
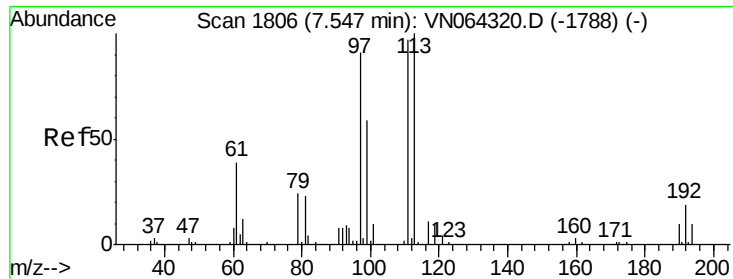
50000

0

8.50 8.55 8.60

Time-->





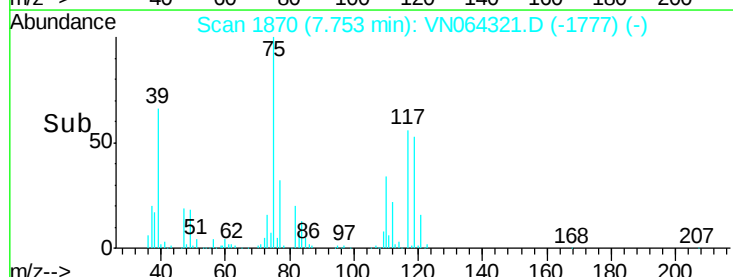
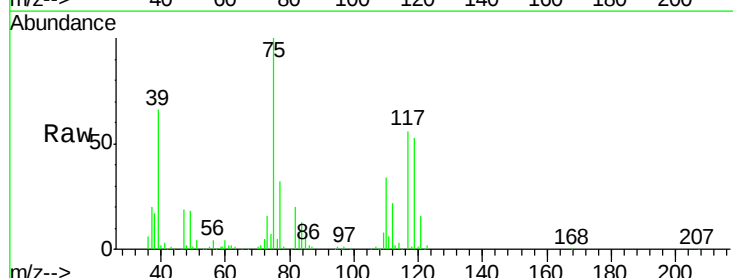
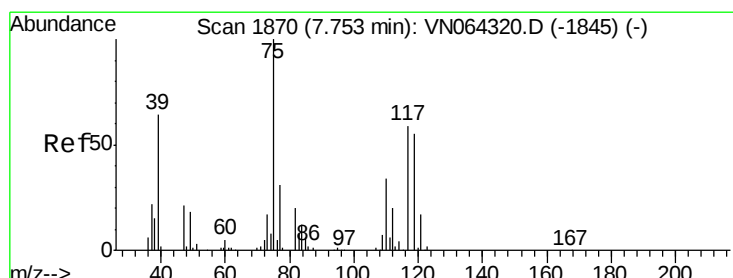
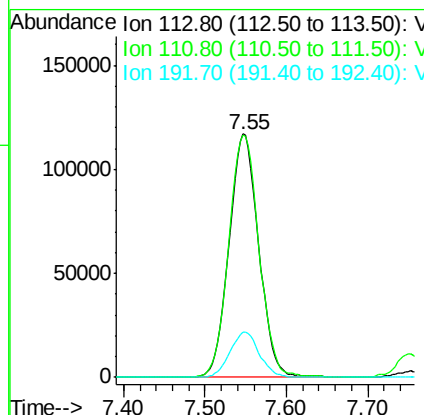
#35
Dibromofluoromethane
Concen: 105.787 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tot Ion	Ratio	Resp	Lower	Upper
113	100	298519		
111	101.2		81.5	122.3
192	18.5		15.0	22.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

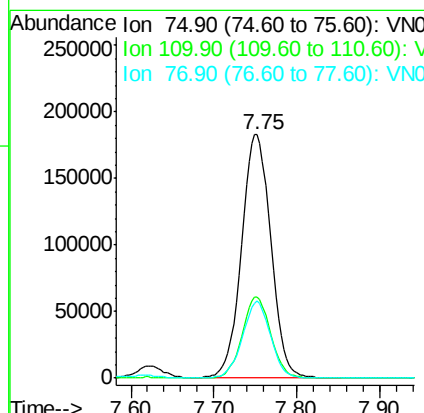
Manual Integrations
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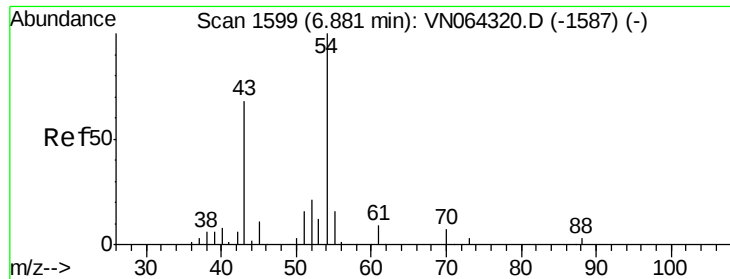
MMDadoda
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#36
1,1-Dichloropropene
Concen: 106.275 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	448999		
110	32.6		16.8	50.3
77	30.4		24.2	36.4





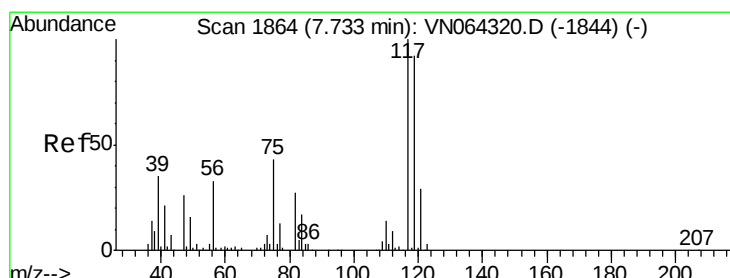
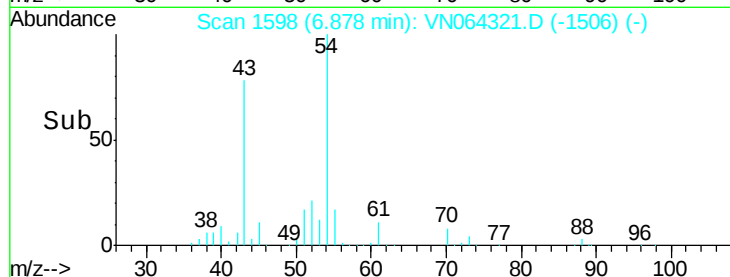
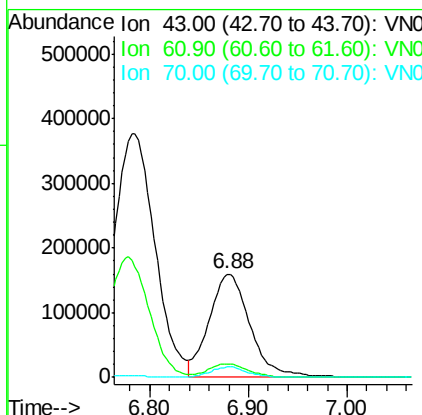
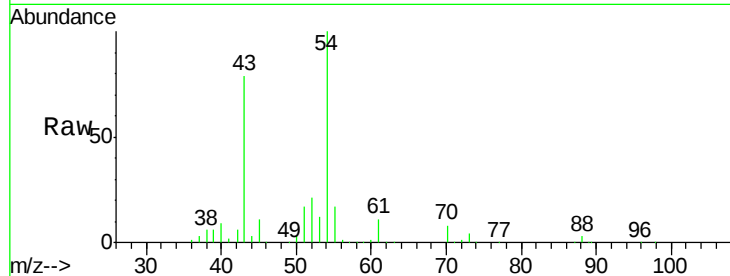
#37
Ethyl Acetate
Concen: 116.370 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	9.4	7.1	10.7

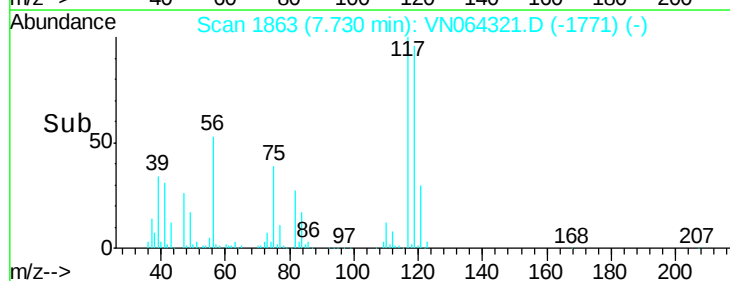
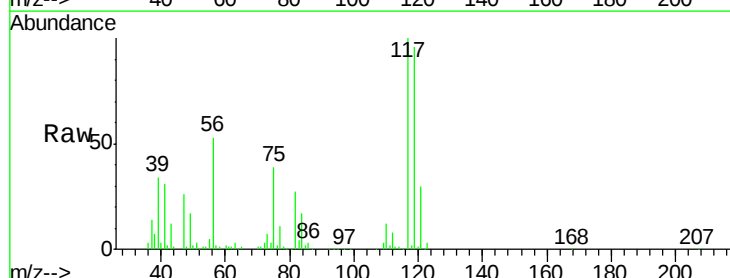
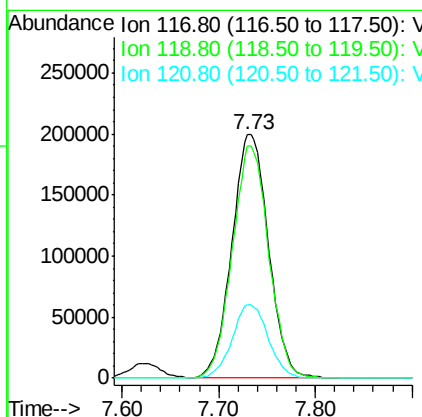
Manual Integrations
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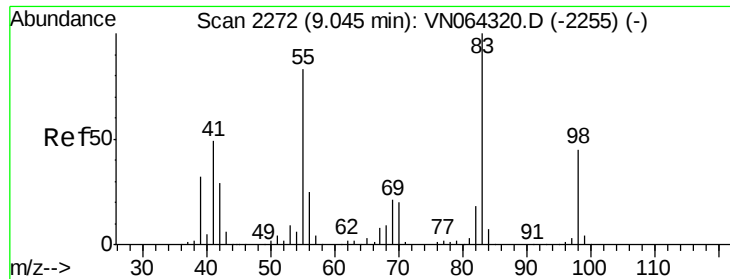
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#38
Carbon Tetrachloride
Concen: 108.049 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	73.7	110.5
121	30.1	22.8	34.2





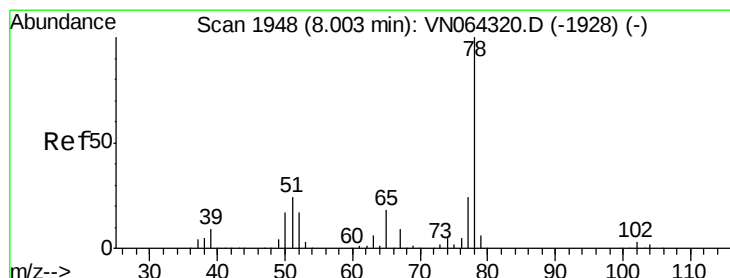
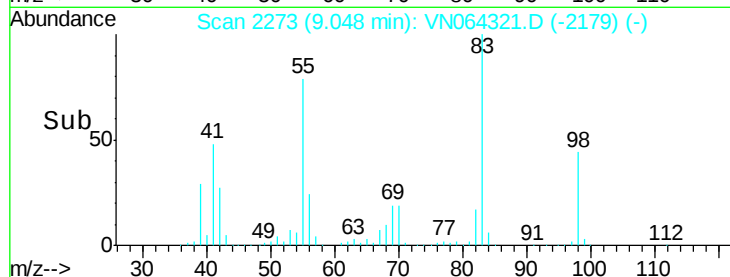
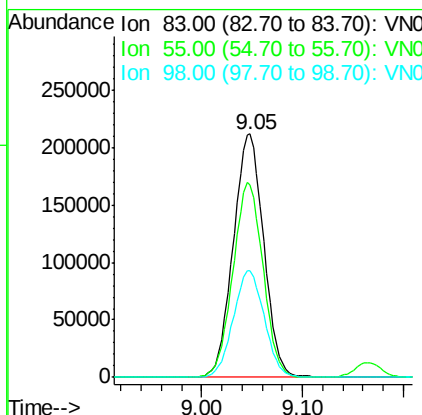
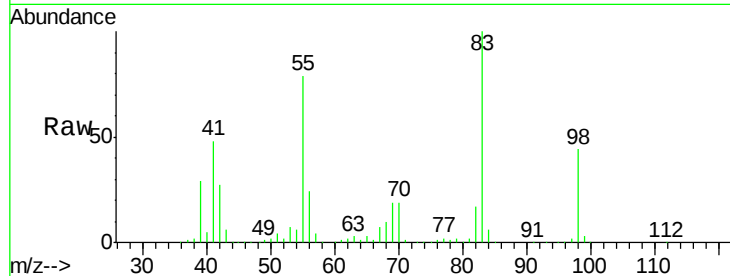
#39
Methvlcvclohexane
Concen: 114.525 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	66.2	99.4
98	43.9	36.0	54.0

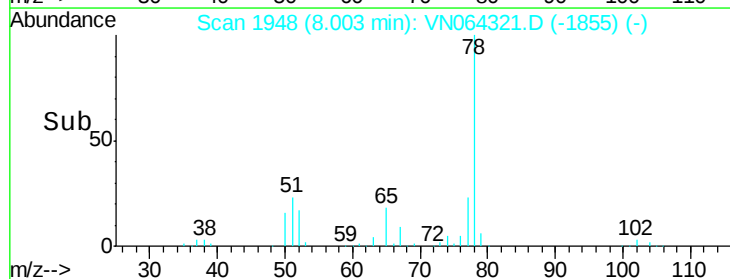
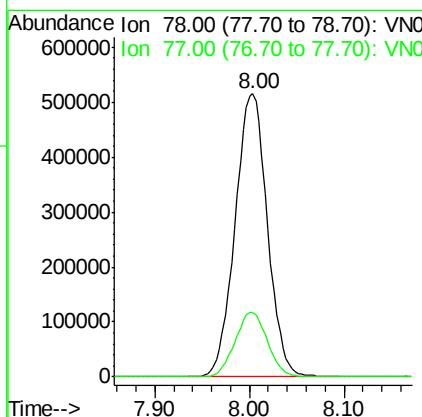
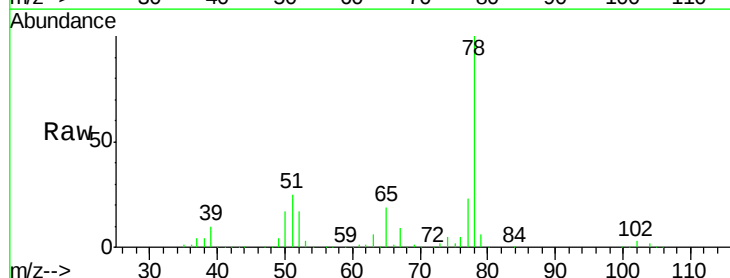
Manual Integrations
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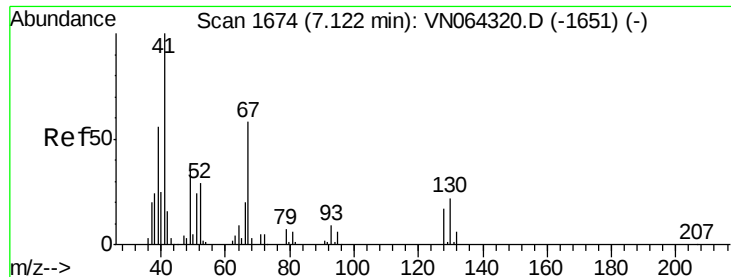
MMDadoda
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#40
Benzene
Concen: 104.618 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





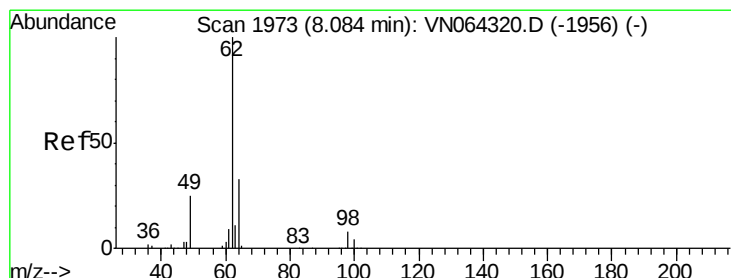
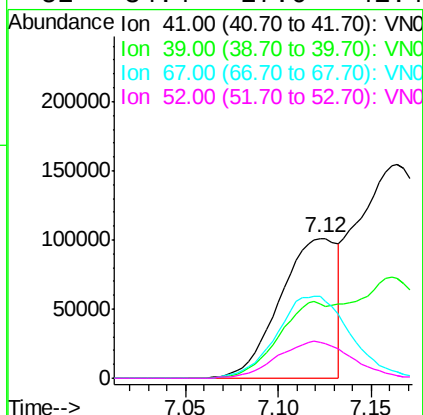
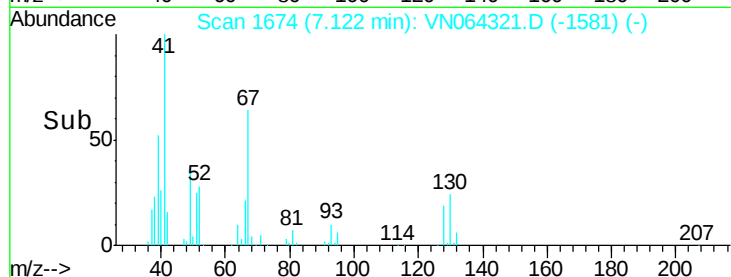
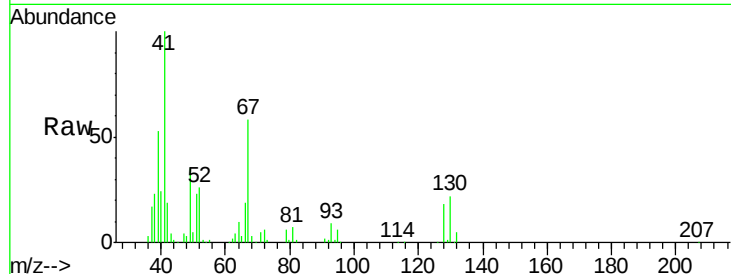
#41
Methacrylonitrile
Concen: 105.783 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.2	48.6	72.8#
67	76.0	61.4	92.2
52	34.4	27.6	41.4

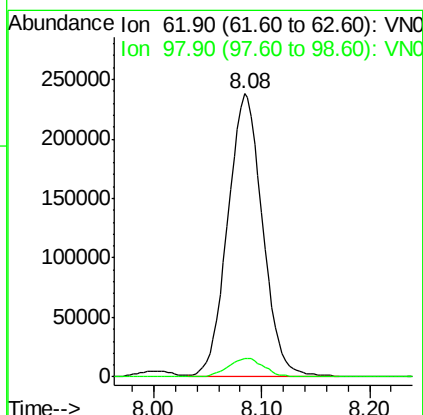
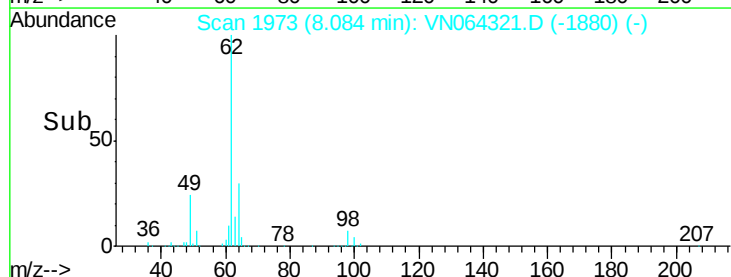
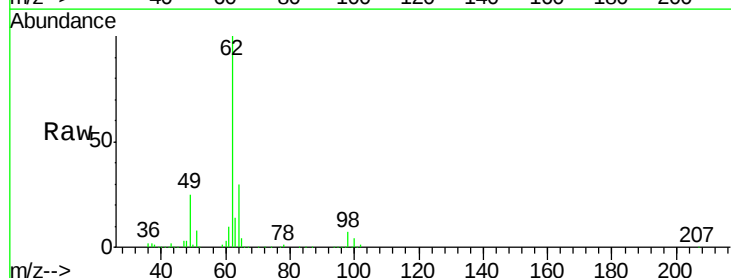
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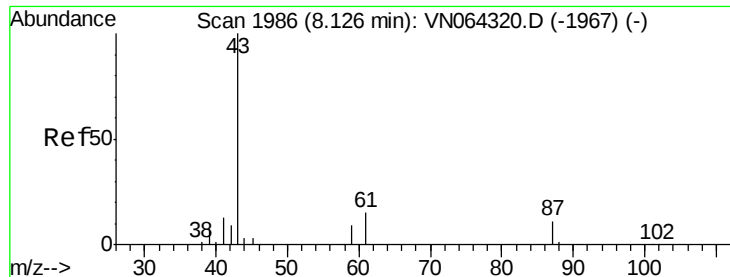
MMDadoda
10/28/2020 12:35:32 PM



#42
1,2-Dichloroethane
Concen: 105.991 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	14.2





#43

Isopropyl Acetate

Concen: 109.251 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

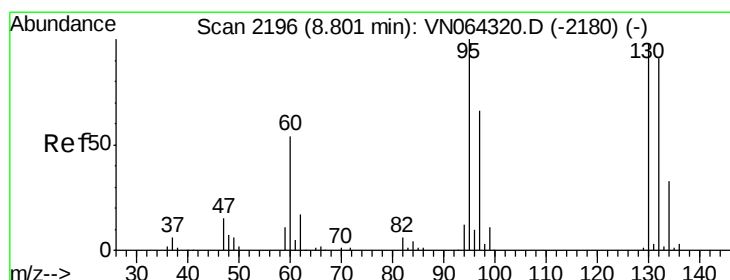
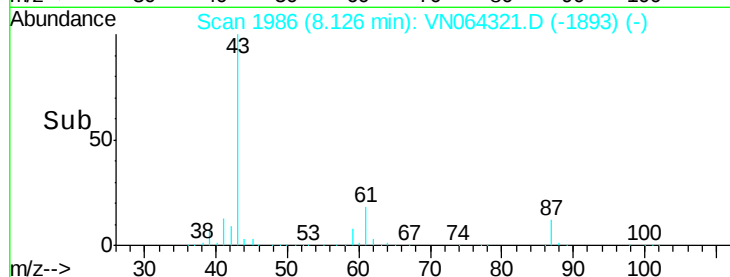
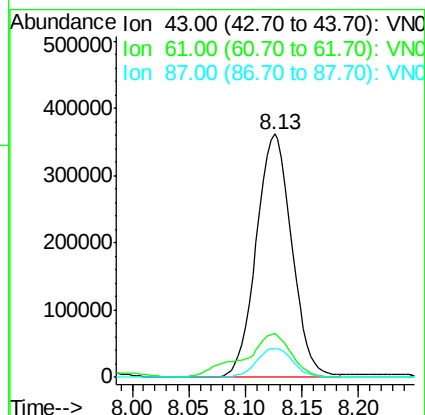
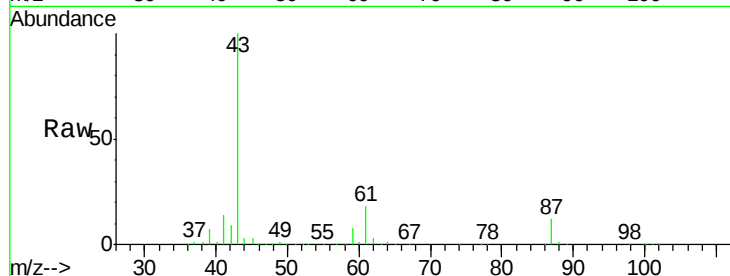
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	788446
Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.1	28.7
87	12.3	9.3	13.9

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#44

Trichloroethene

Concen: 103.235 ug/l

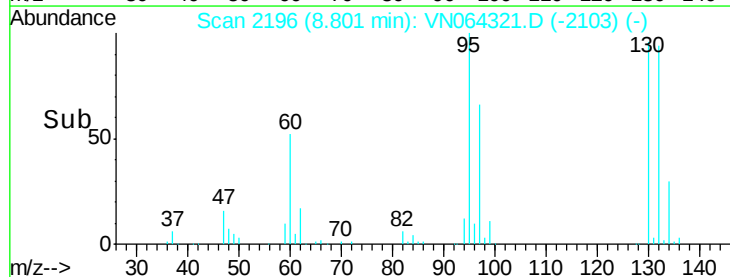
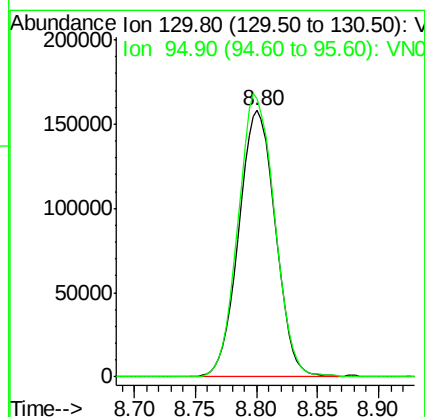
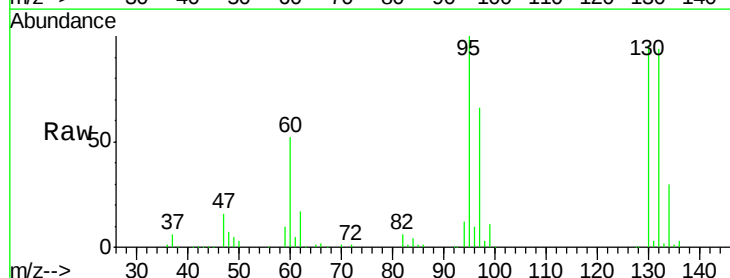
RT: 8.80 min Scan# 2196

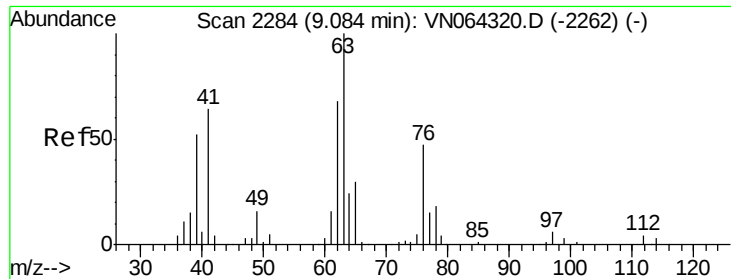
Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion:	130	Resp:	328718
Ion	Ratio	Lower	Upper
130	100		
95	104.6	0.0	203.6





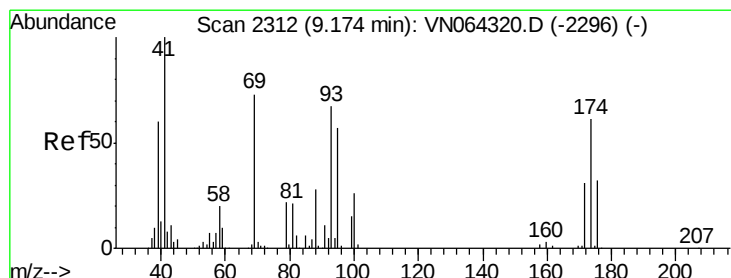
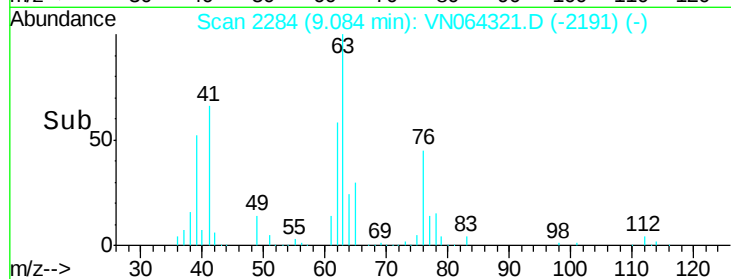
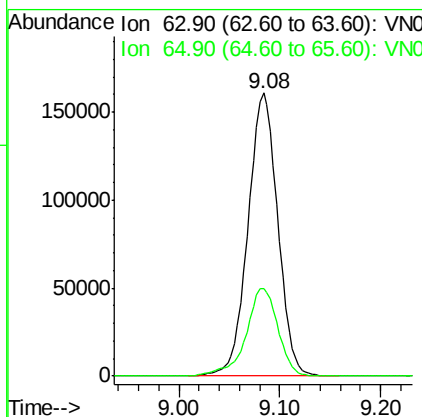
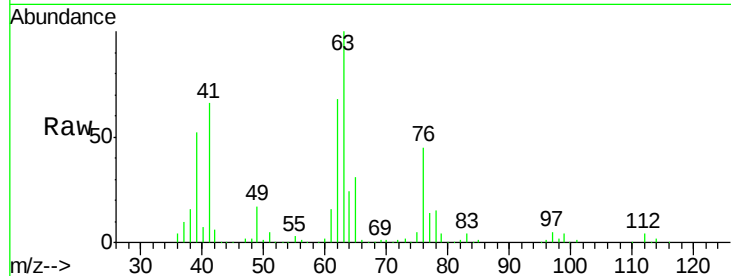
#45
 1,2-Dichloropropane
 Concen: 105.589 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	328327		
65	30.7	24.3	36.5	

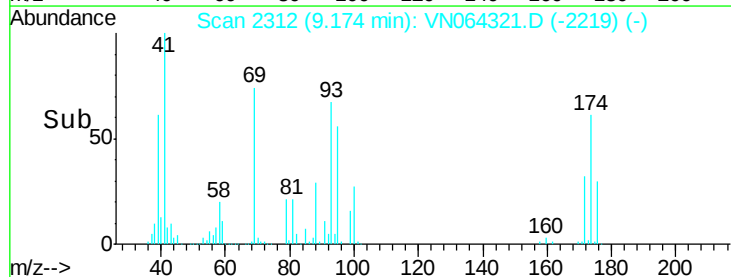
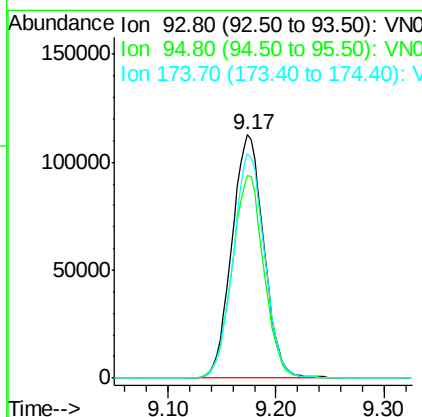
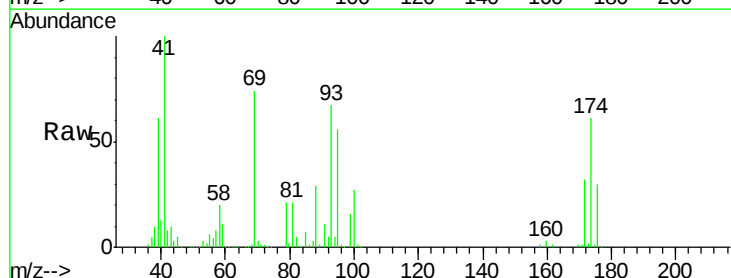
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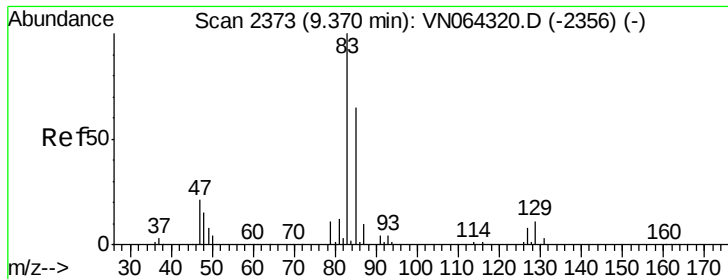
MMDadoda
 10/28/2020 12:35:32 PM



#46
 Dibromomethane
 Concen: 110.697 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	233023		
95	82.9	64.4	96.6	
174	90.9	71.4	107.0	





#47

Bromodichloromethane

Concen: 108.135 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

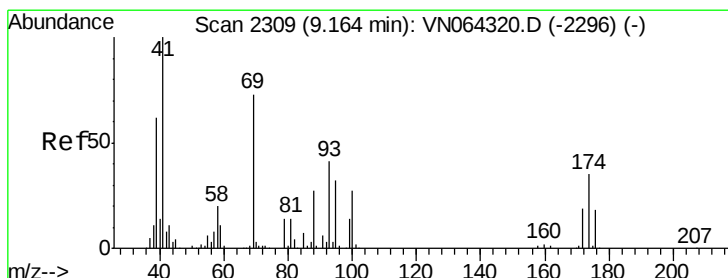
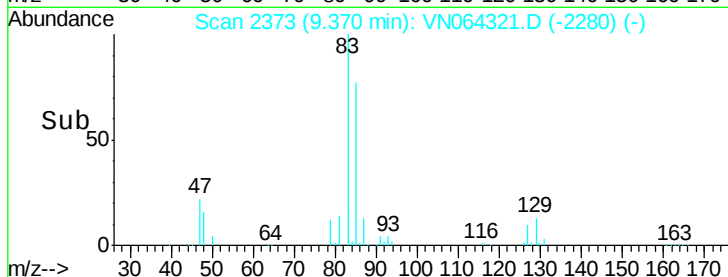
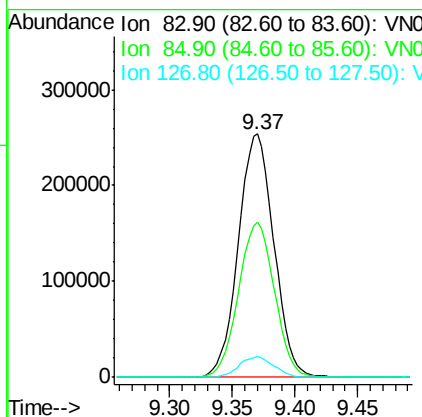
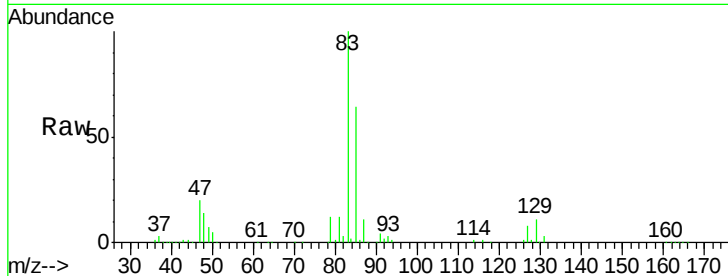
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	501092
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.1	78.1
127	8.4	6.7	10.1

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#48

Methyl methacrylate

Concen: 107.461 ug/l

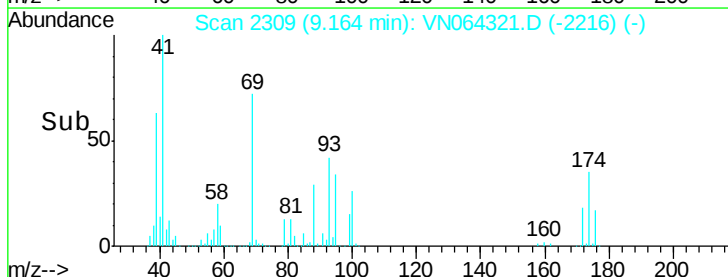
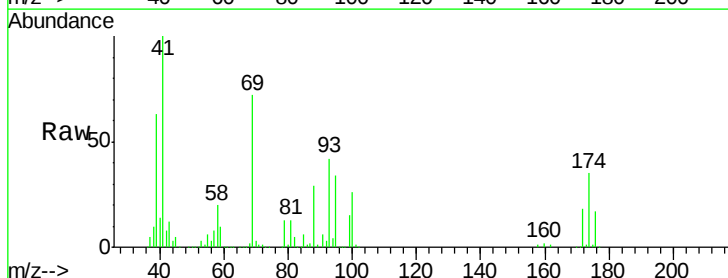
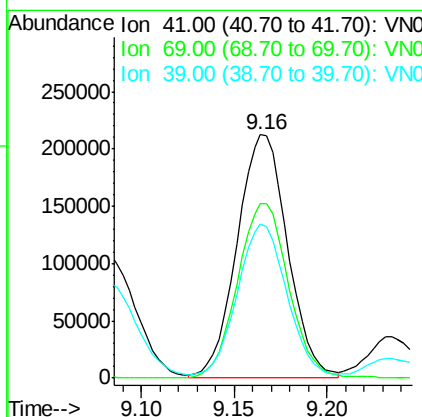
RT: 9.16 min Scan# 2309

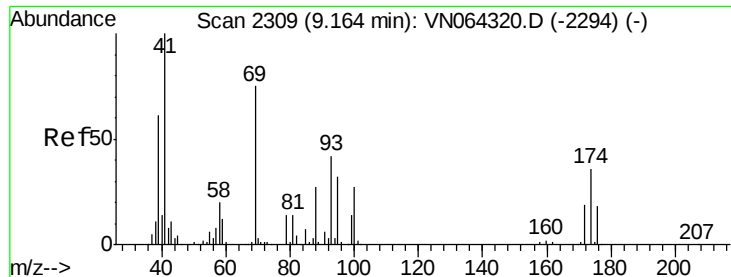
Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion:	41	Resp:	402887
Ion	Ratio	Lower	Upper
41	100		
69	72.9	59.1	88.7
39	62.4	51.3	76.9





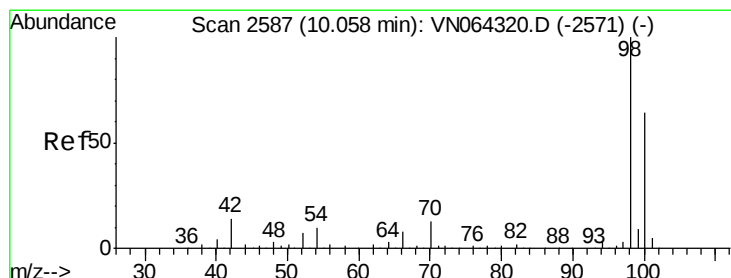
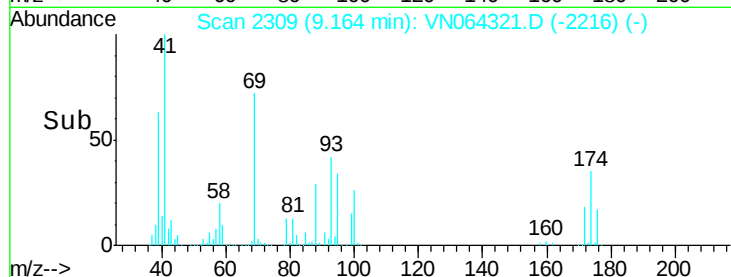
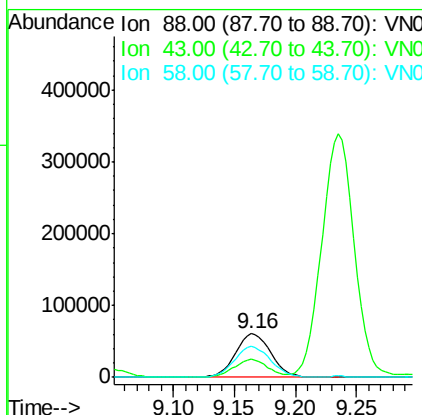
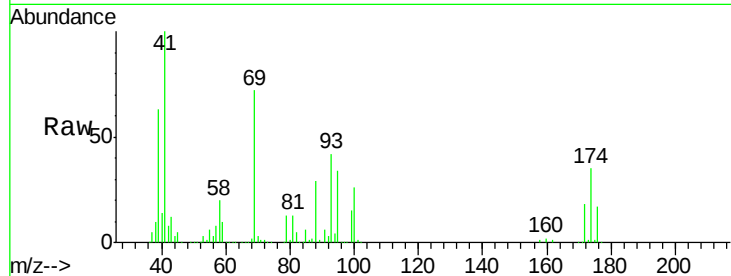
#49
1,4-Dioxane
Concen: 2649.430 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.7	31.8	47.8
58	72.4	60.3	90.5

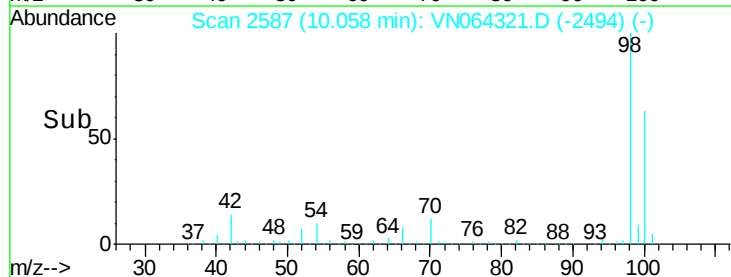
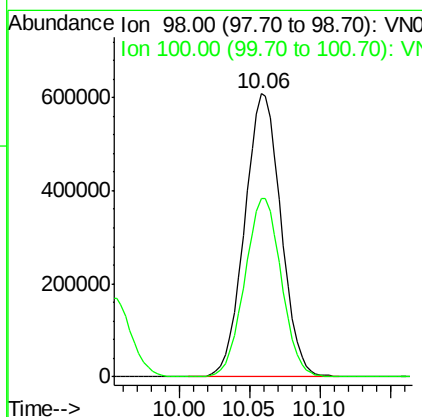
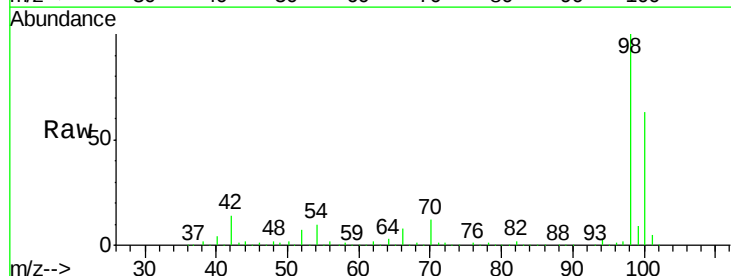
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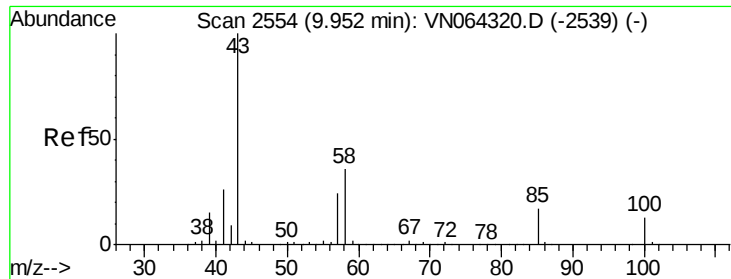
MMDadoda
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#50
Toluene-d8
Concen: 108.086 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 590.998 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2306320

Ion Ratio Lower Upper

43 100

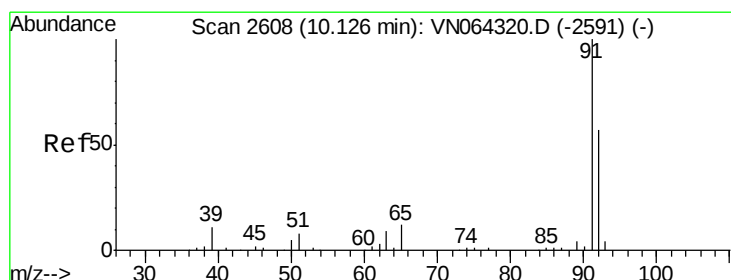
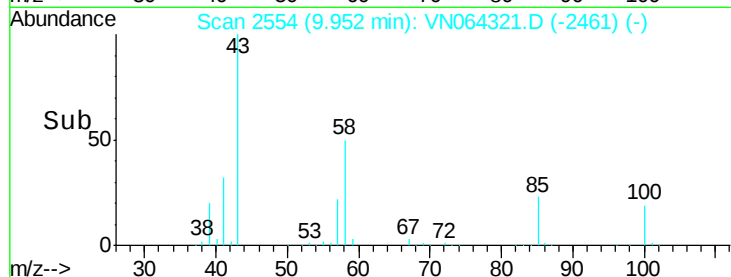
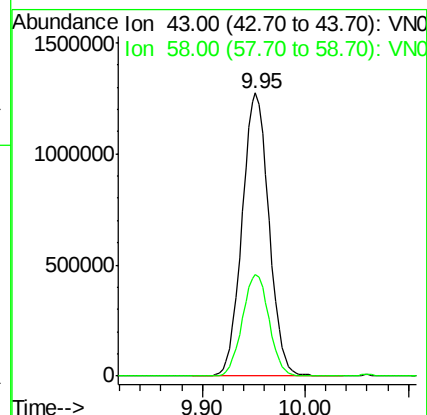
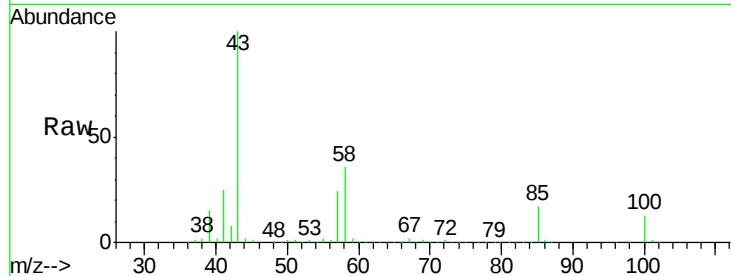
58 35.7 28.6 42.8

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#52

Toluene

Concen: 104.993 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064321.D

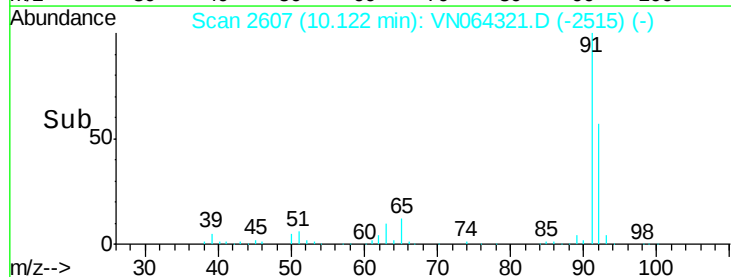
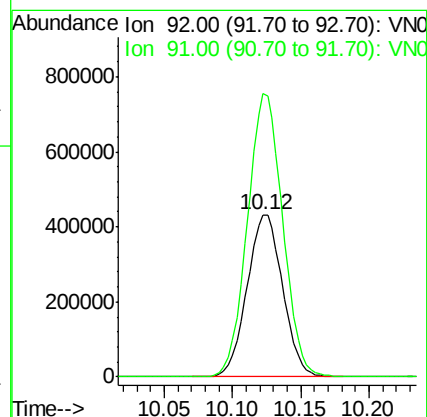
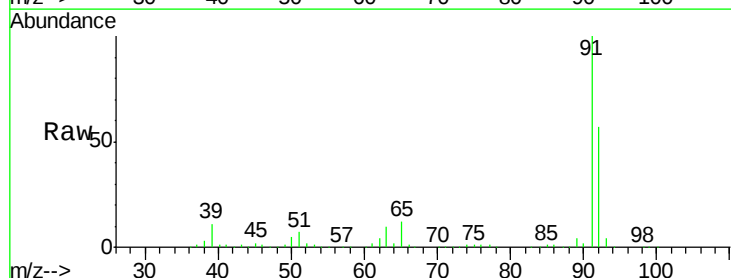
Acq: 27 Oct 2020 11:40

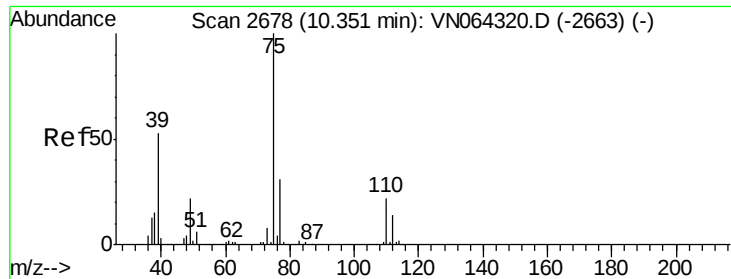
Tgt Ion: 92 Resp: 782108

Ion Ratio Lower Upper

92 100

91 173.1 139.9 209.9





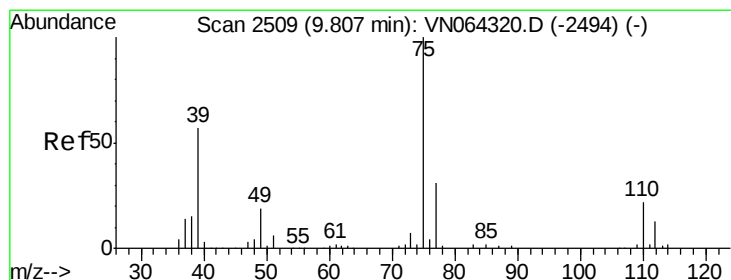
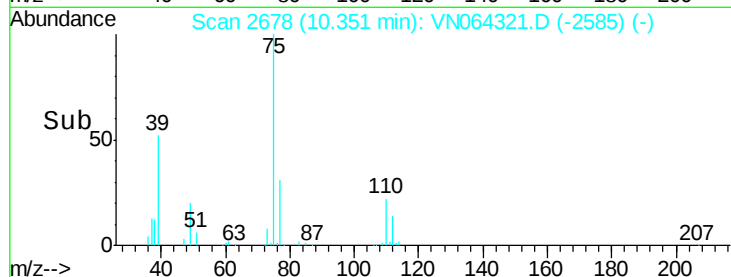
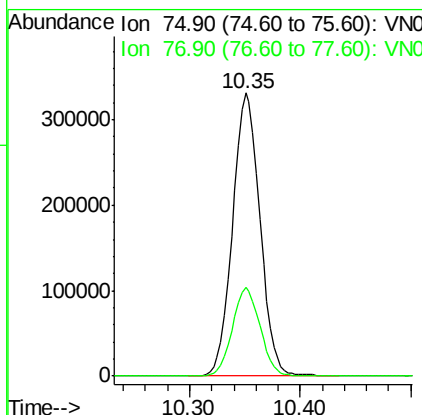
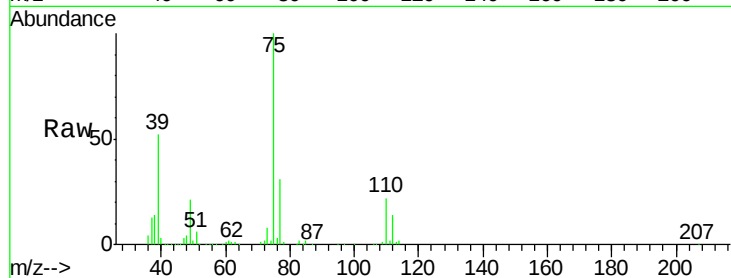
#53
 t-1,3-Dichloropropene
 Concen: 111.278 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 570118
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2

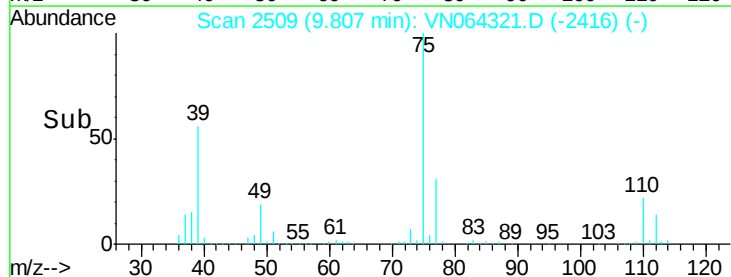
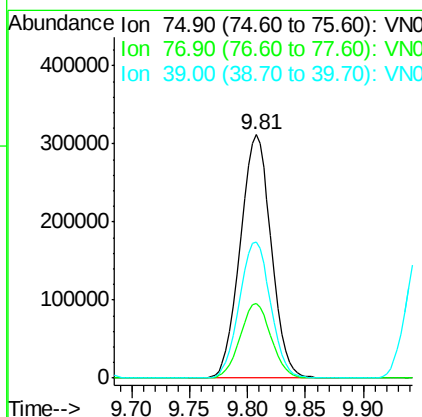
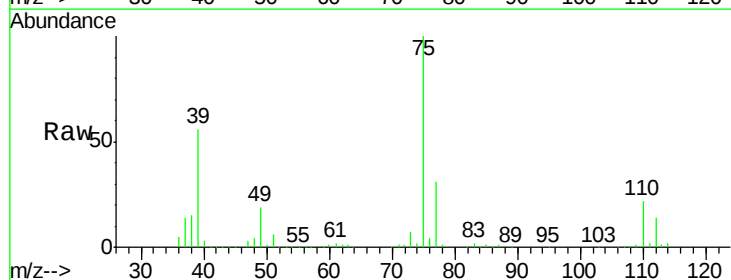
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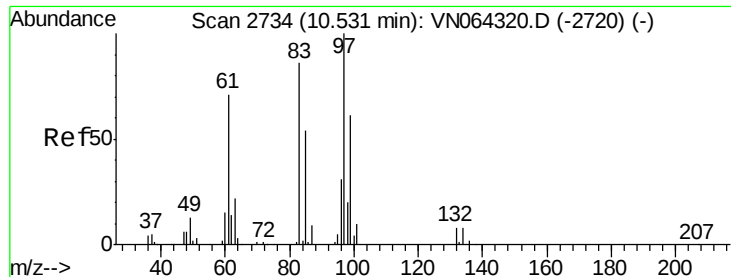
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#54
 cis-1,3-Dichloropropene
 Concen: 106.913 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion: 75 Resp: 578672
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.0 37.4
 39 56.1 45.5 68.3





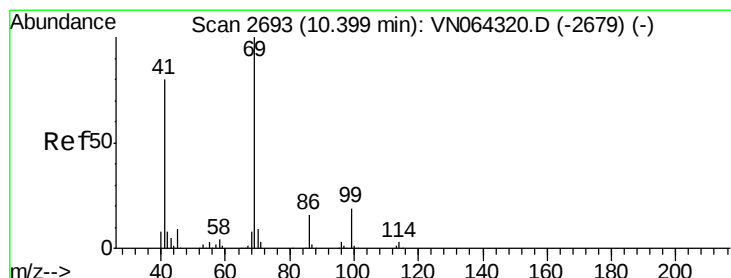
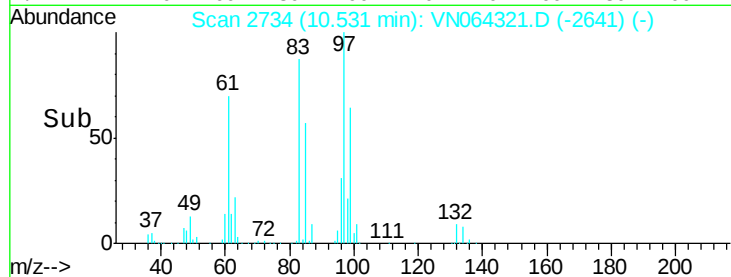
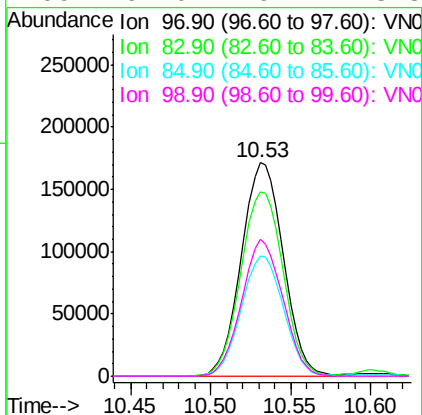
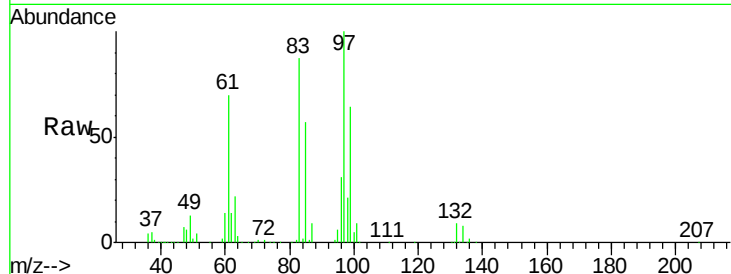
#55
 1,1,2-Trichloroethane
 Concen: 108.906 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	307894
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.9	103.3
85	56.6	43.6	65.4
99	64.0	49.2	73.8

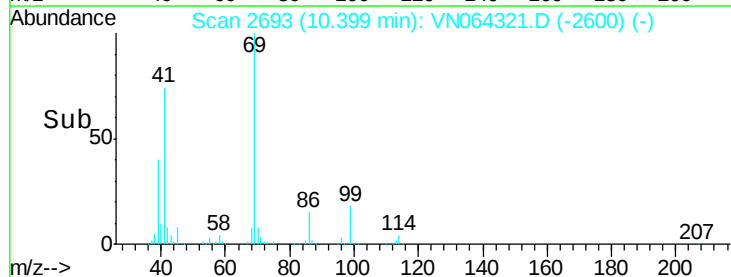
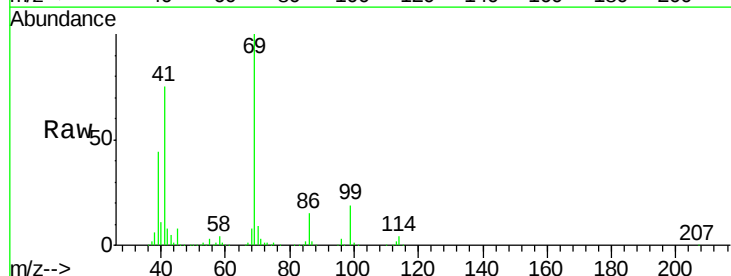
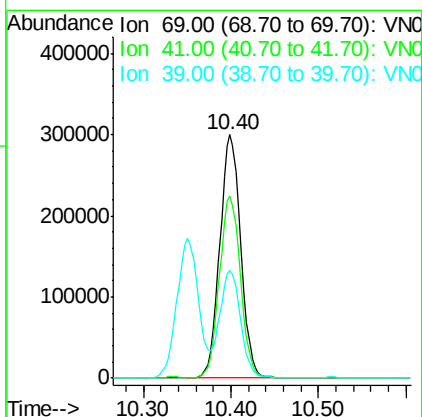
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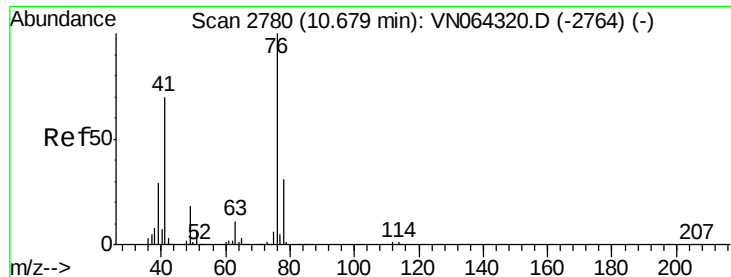
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#56
 Ethyl methacrylate
 Concen: 113.674 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion:	69	Resp:	497318
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.4	92.2
39	44.1	36.5	54.7





#57

1,3-Dichloropropane

Concen: 110.203 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 541598

Ion Ratio Lower Upper

76 100

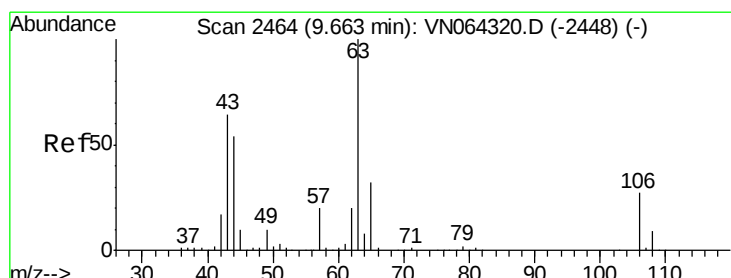
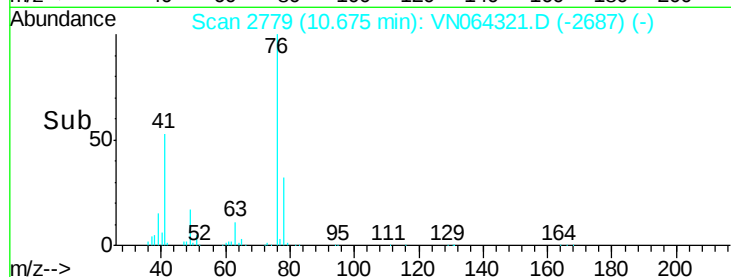
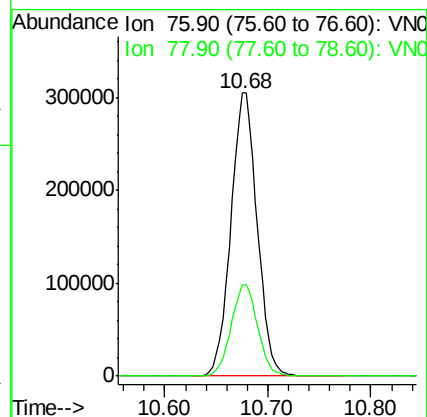
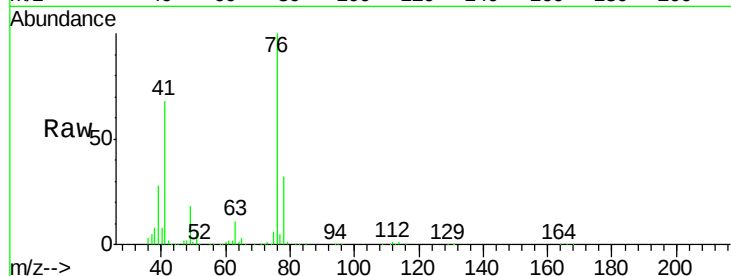
78 32.5 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 585.043 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064321.D

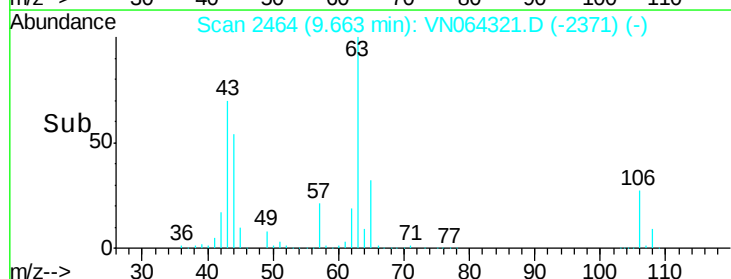
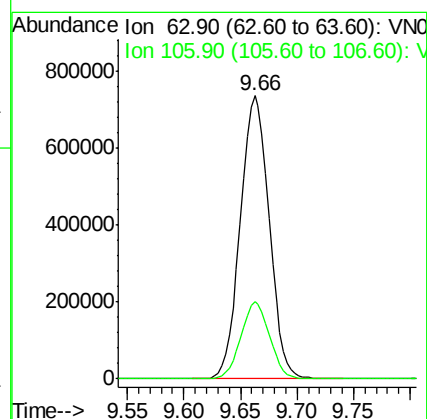
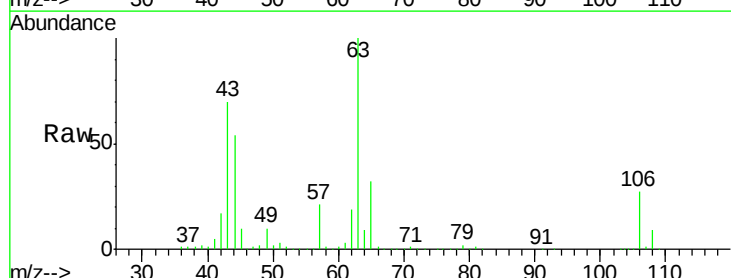
Acq: 27 Oct 2020 11:40

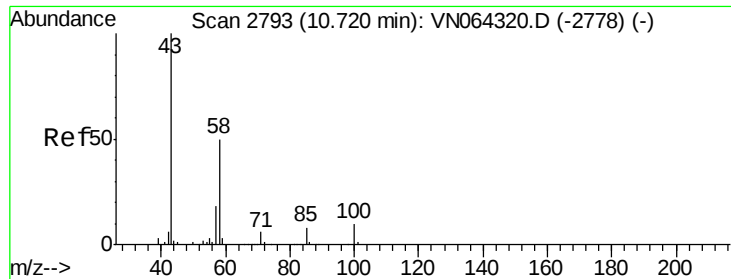
Tgt Ion: 63 Resp: 1313472

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.4





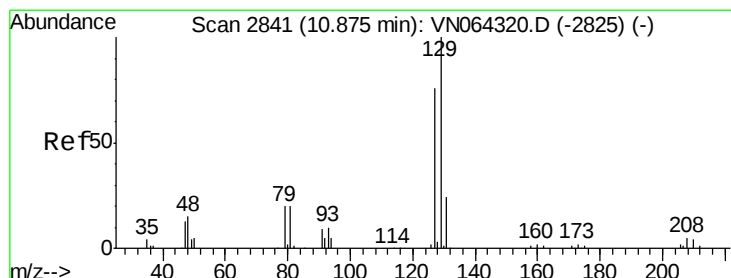
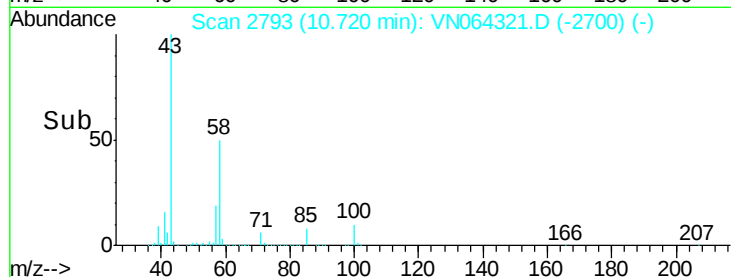
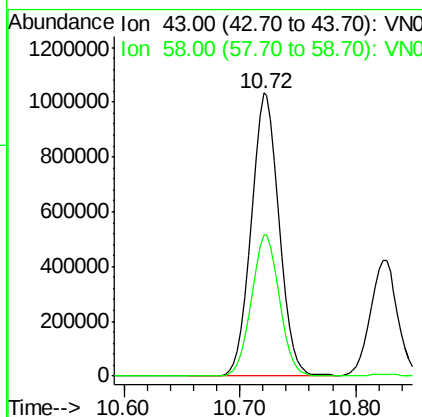
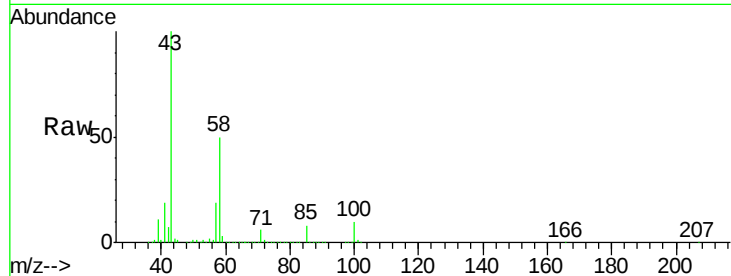
#59
2-Hexanone
Concen: 607.704 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 1737858
Ion Ratio Lower Upper
43 100
58 50.2 25.0 75.0

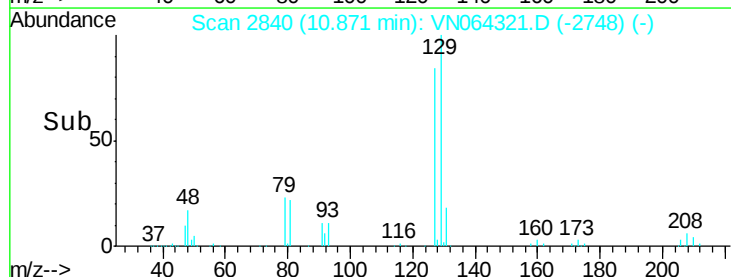
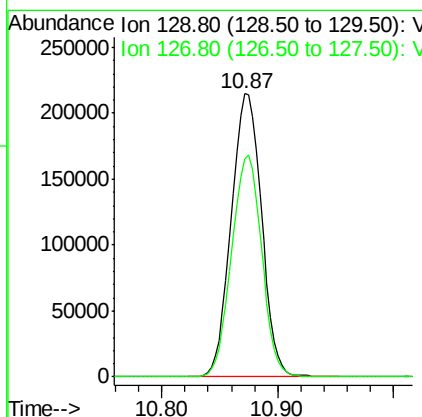
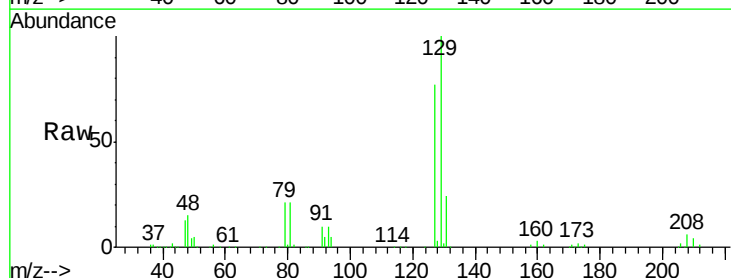
Manual Integrations
APPROVED

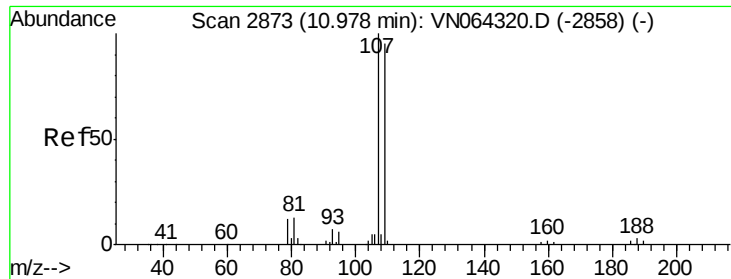
MMDadoda
10/28/2020 12:35:32 PM



#60
Dibromochloromethane
Concen: 106.356 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion: 129 Resp: 388846
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





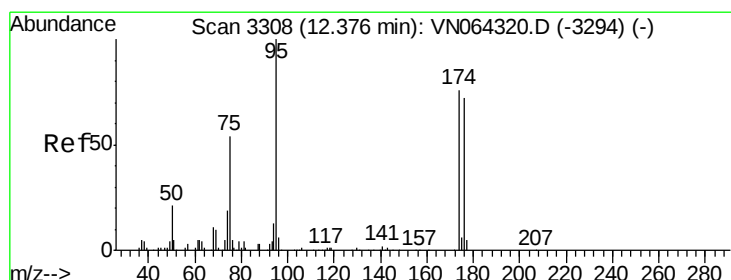
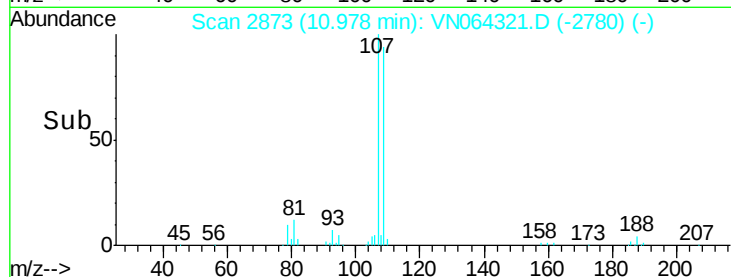
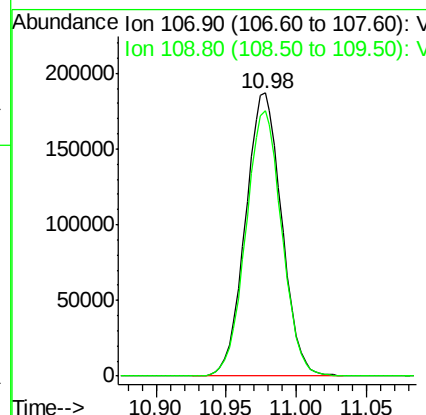
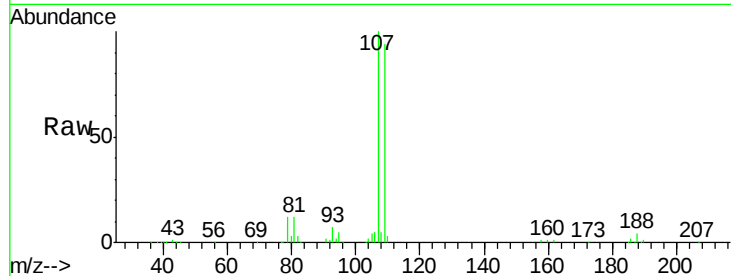
#61
 1,2-Dibromoethane
 Concen: 112.400 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.8	113.8

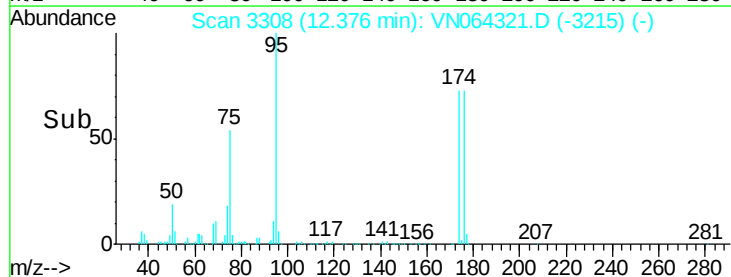
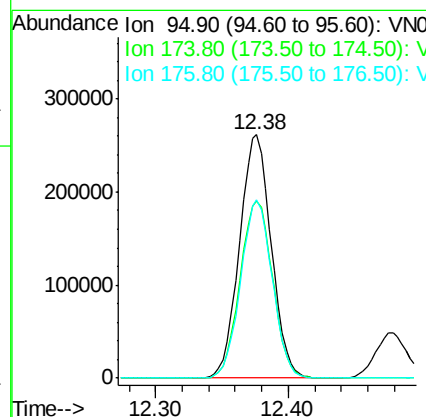
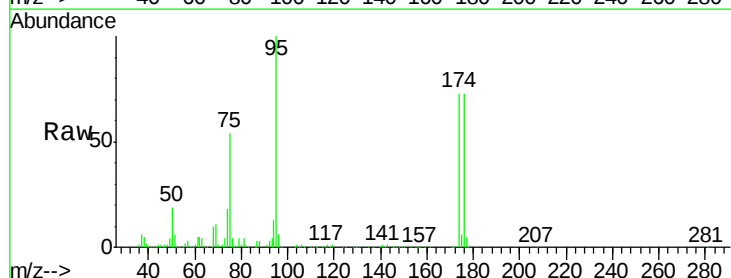
Manual Integrations
 APPROVED

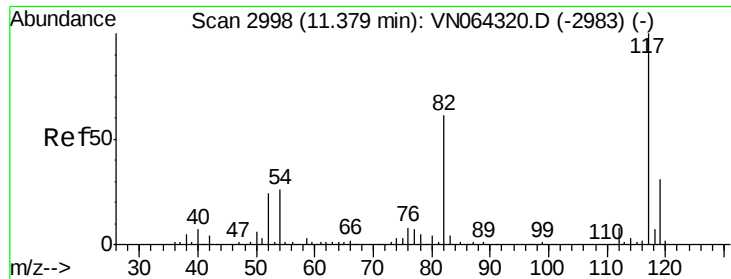
MMDadoda
 10/28/2020 12:35:32 PM



#62
 4-Bromofluorobenzene
 Concen: 105.484 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	147.4
176	72.8	0.0	143.6





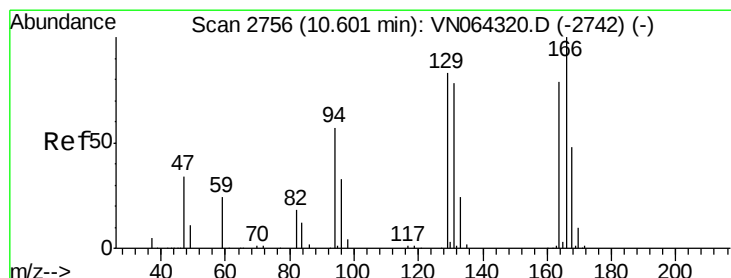
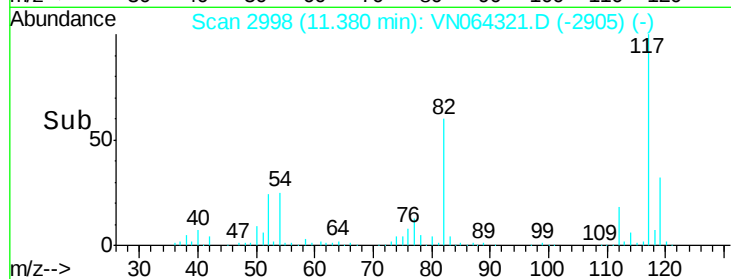
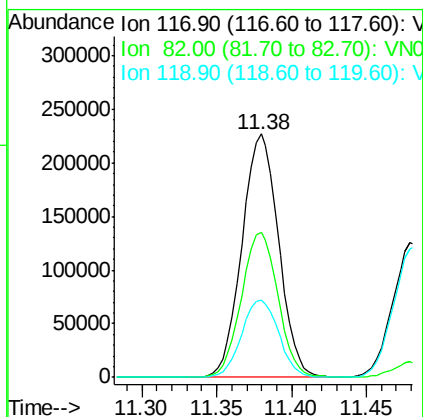
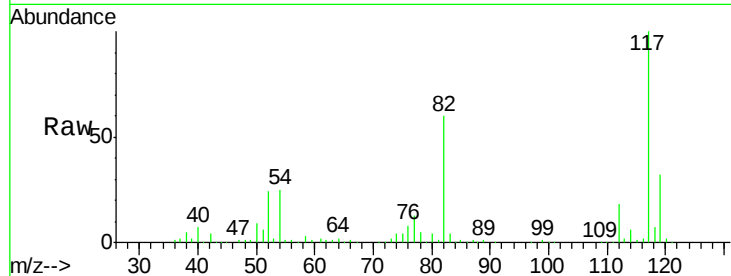
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.8	73.2
119	31.6	25.1	37.7

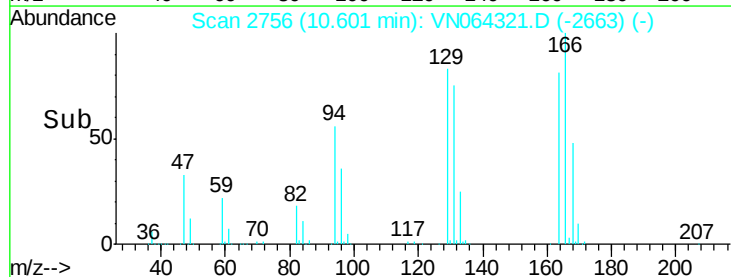
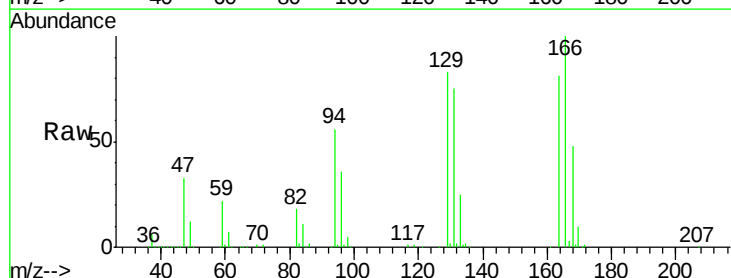
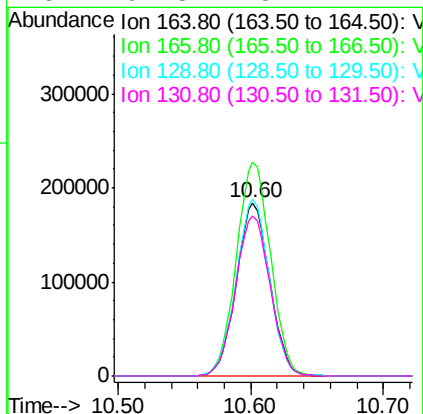
Manual Integrations
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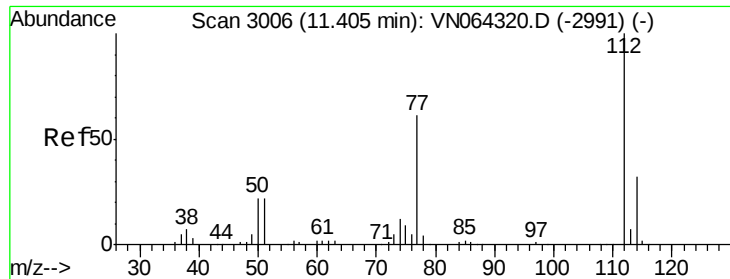
MMDadoda
10/28/2020 12:35:32 PM



#64
Tetrachloroethene
Concen: 102.716 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.7	151.1
129	102.2	83.7	125.5
131	92.3	78.2	117.2





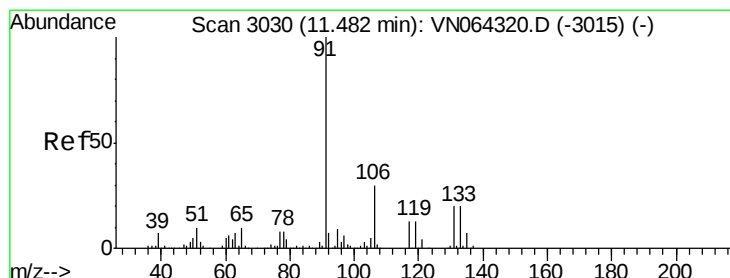
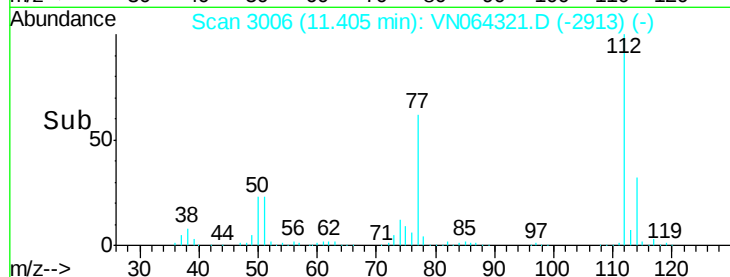
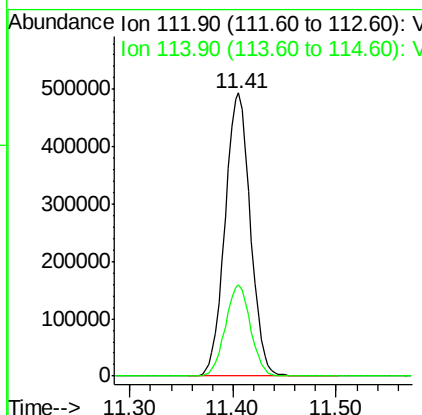
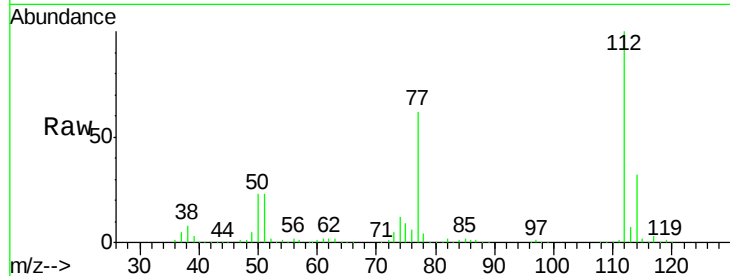
#65
Chlorobenzene
Concen: 105.685 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 844953
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

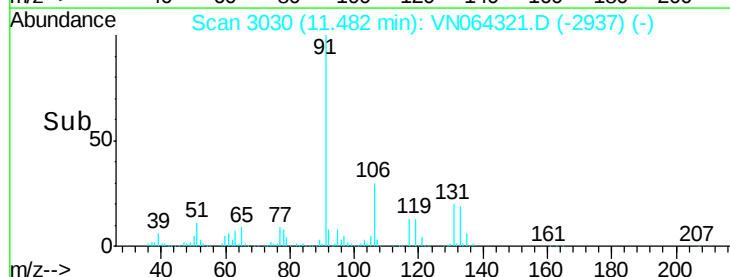
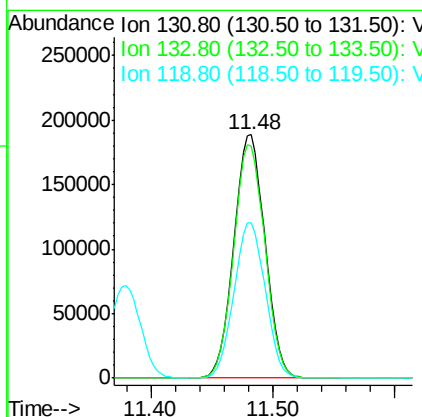
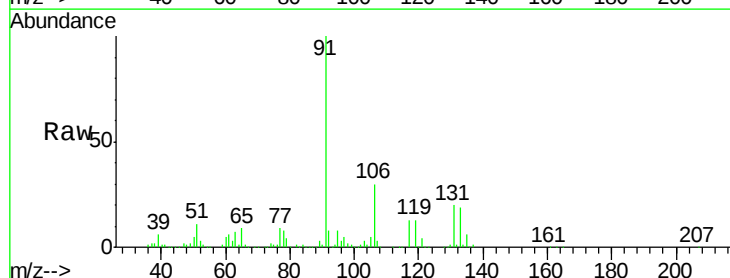
Manual Integrations
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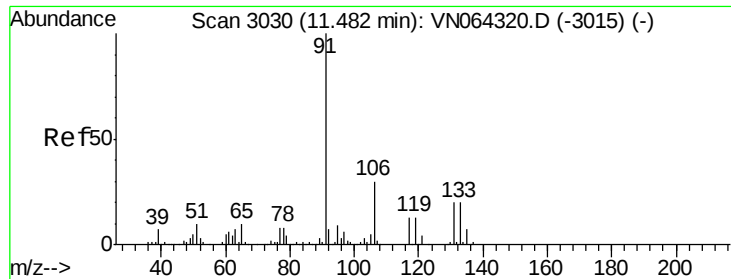
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 105.182 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion:131 Resp: 333866
Ion Ratio Lower Upper
131 100
133 96.1 49.3 147.8
119 63.7 32.3 96.9





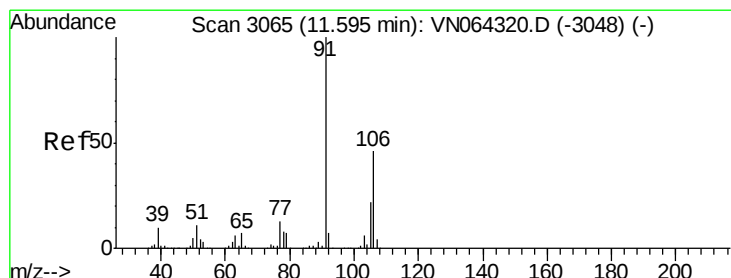
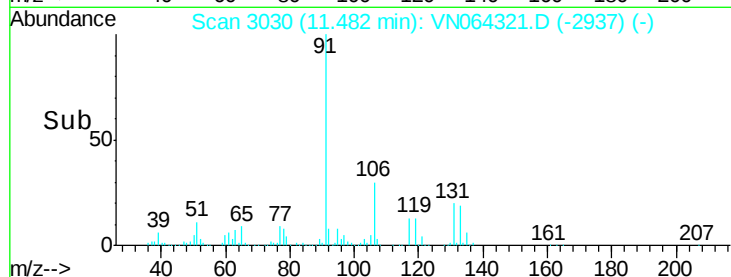
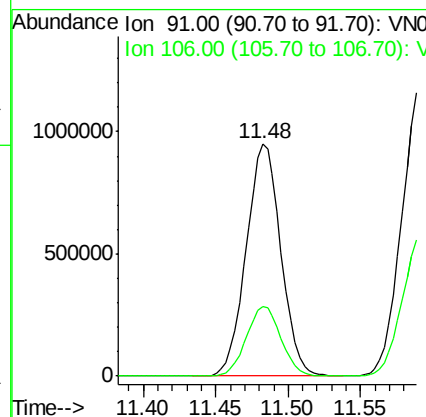
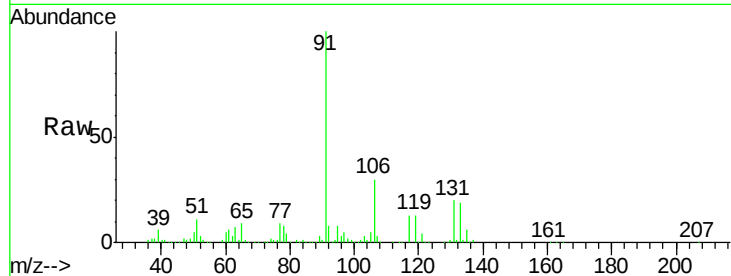
#67
Ethyl Benzene
Concen: 107.213 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1578603
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5

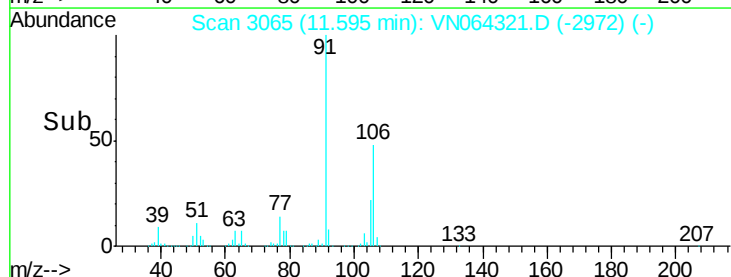
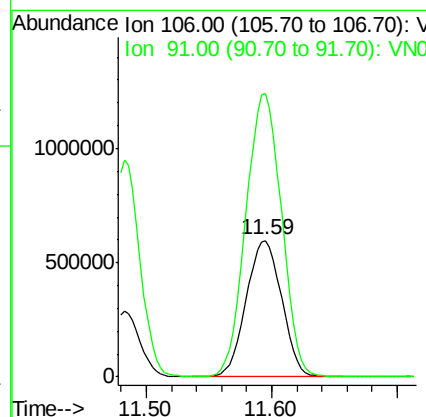
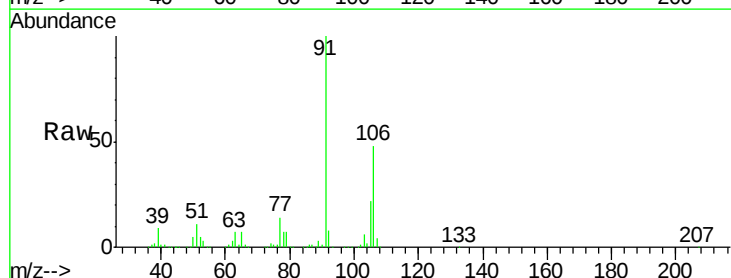
Manual Integrations
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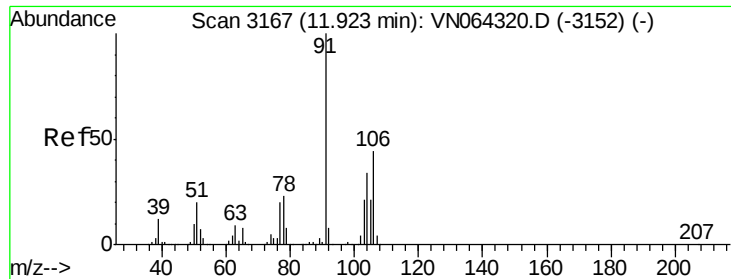
MMDadoda
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#68
m/p-Xylenes
Concen: 214.845 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion: 106 Resp: 1172958
Ion Ratio Lower Upper
106 100
91 208.9 170.2 255.4





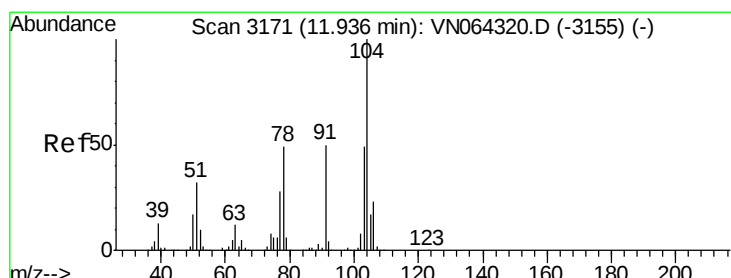
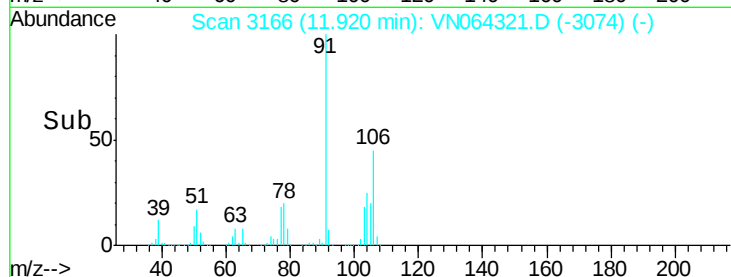
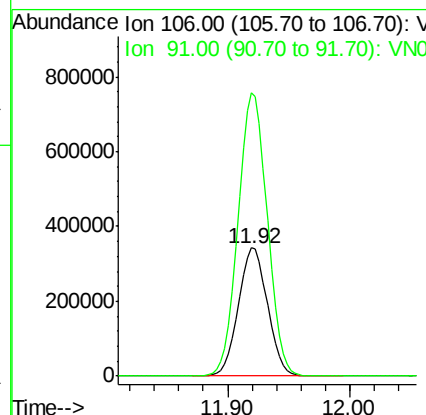
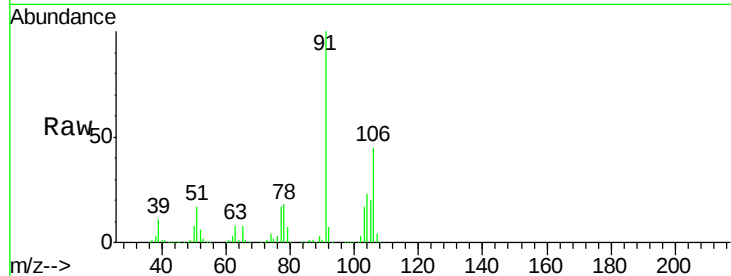
#69
o-Xylene
Concen: 108.102 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		566977		
91	221.7	114.5	343.5		

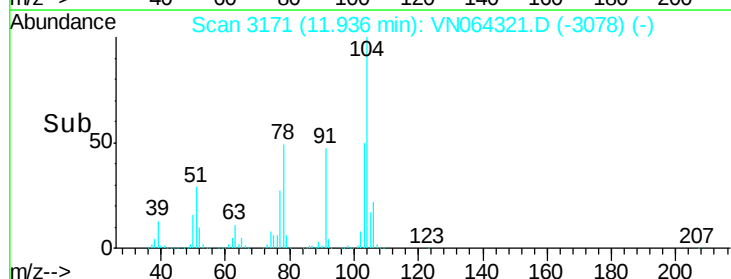
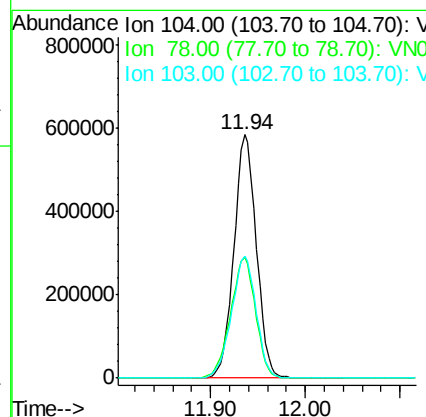
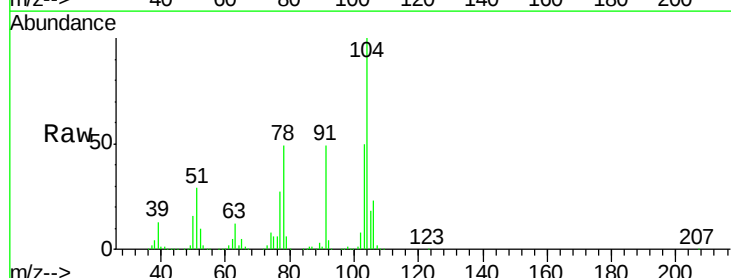
Manual Integrations
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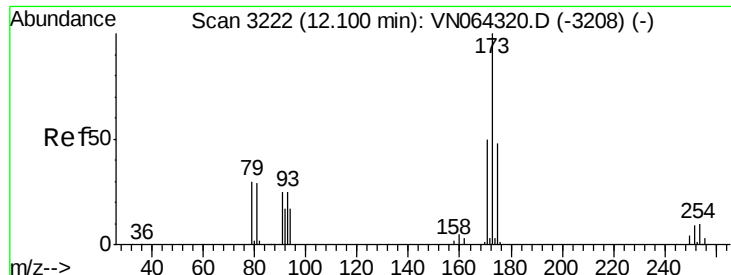
MMDadoda
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#70
Styrene
Concen: 109.347 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		965559		
78	55.2	43.7	65.5		
103	55.2	43.3	64.9		





#71

Bromoform

Concen: 115.503 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 283869

Ion Ratio Lower Upper

173 100

175 48.7 25.4 76.0

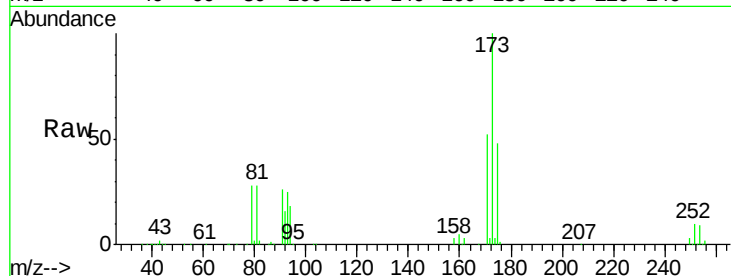
254 0.1 0.0 0.0#

Manual Integrations

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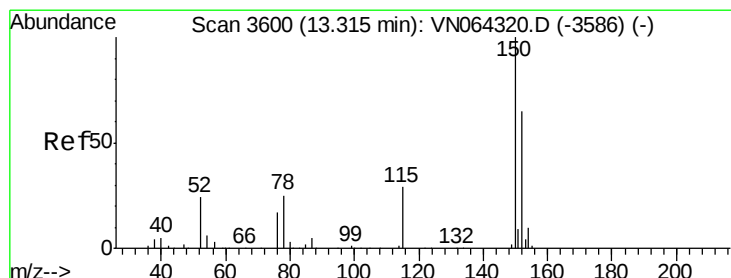
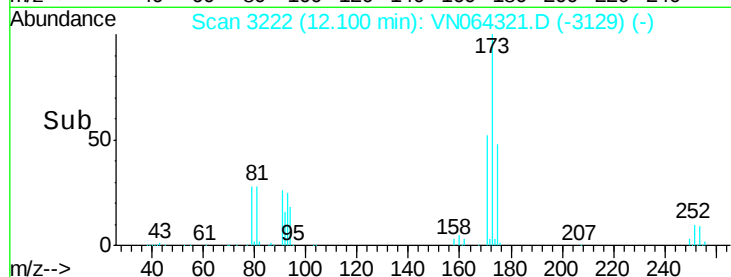
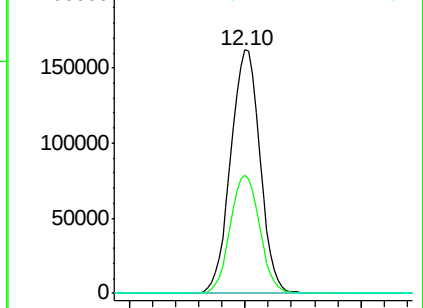
10/28/2020 12:35:32 PM



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: VN064321.D

Acq: 27 Oct 2020 11:40

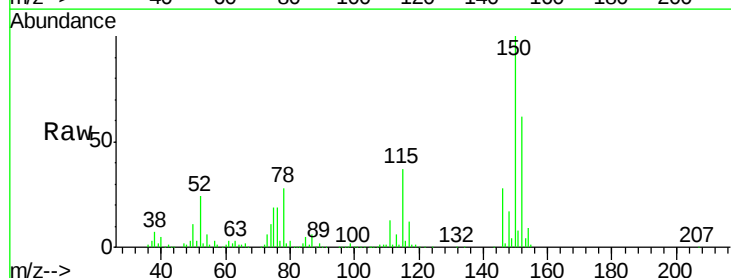
Tgt Ion:152 Resp: 198590

Ion Ratio Lower Upper

152 100

115 61.1 31.5 94.5

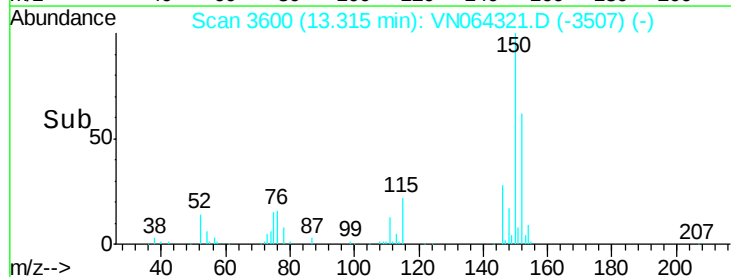
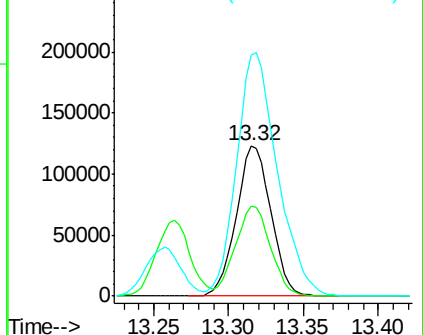
150 190.1 0.0 346.2

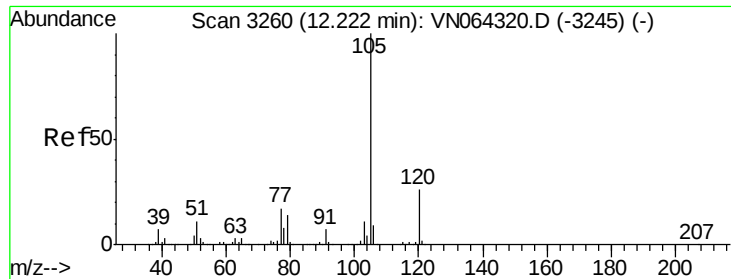


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 99.532 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1499030

Ion Ratio Lower Upper

105 100

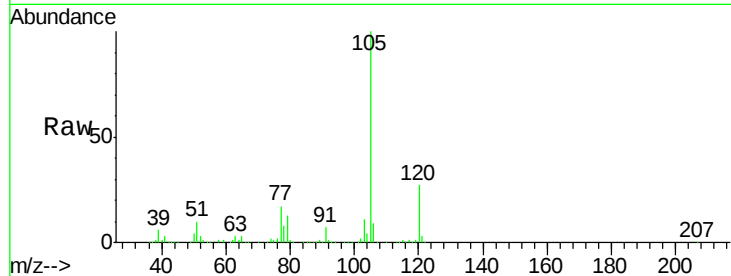
120 26.3 13.2 39.5

Manual Integrations

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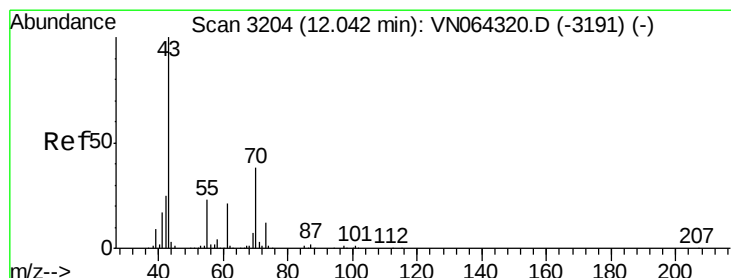
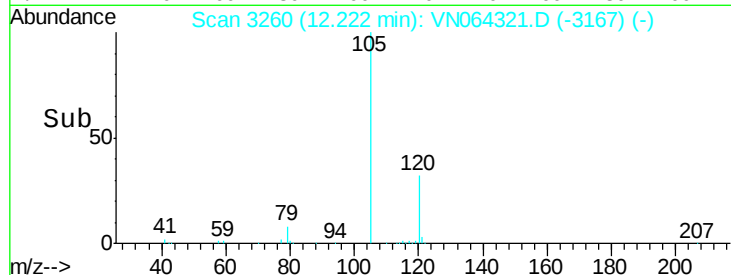
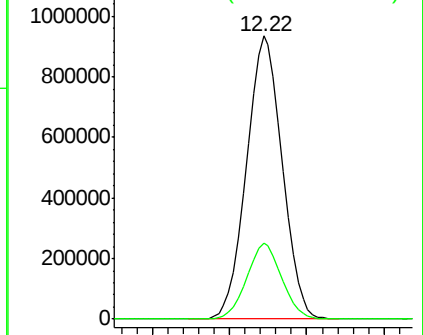
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 109.565 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion: 43 Resp: 718085

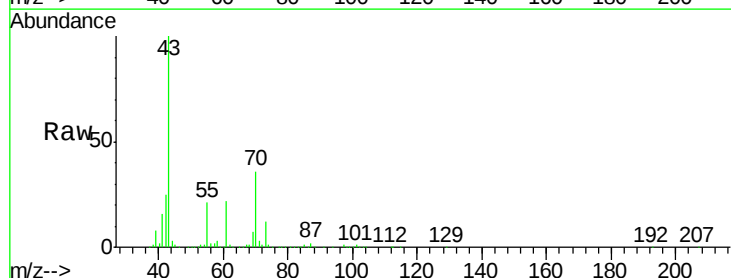
Ion Ratio Lower Upper

43 100

70 37.4 30.6 45.8

55 21.9 18.2 27.4

61 21.8 17.6 26.4

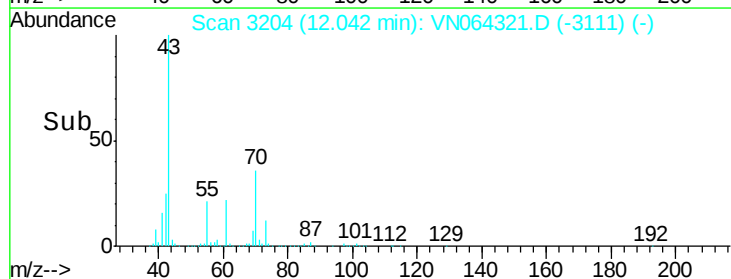
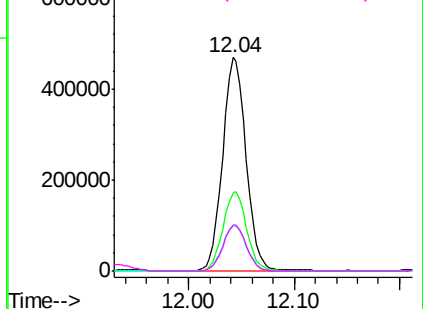


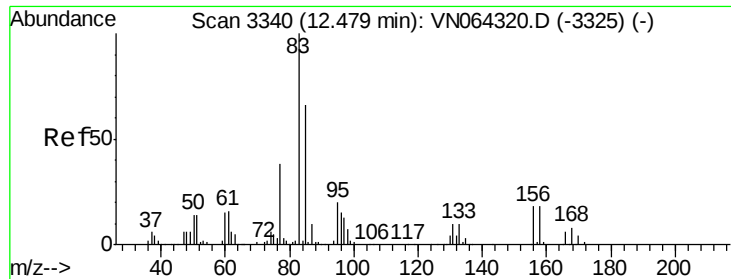
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 105.824 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 428720

Ion Ratio Lower Upper

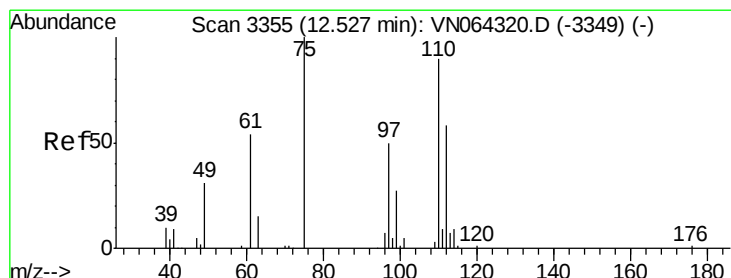
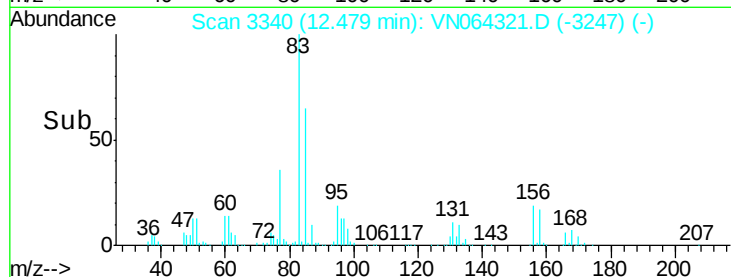
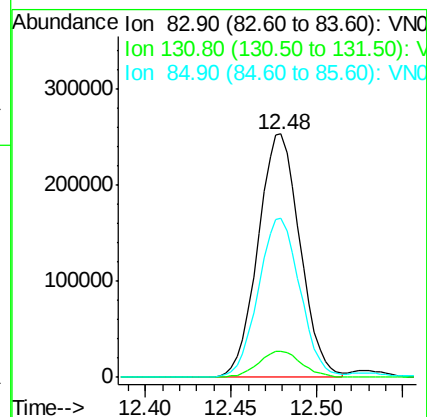
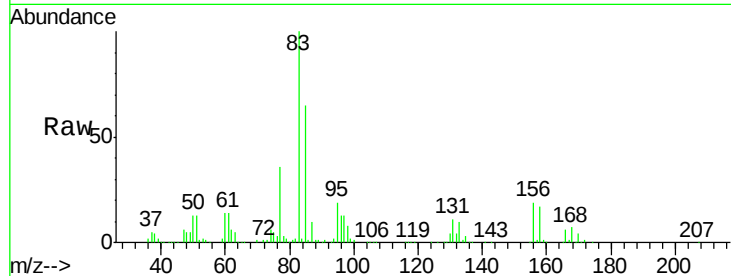
83 100

131 11.2 5.4 16.2

85 64.8 33.0 98.9

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#76

1,2,3-Trichloropropane

Concen: 106.648 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064321.D

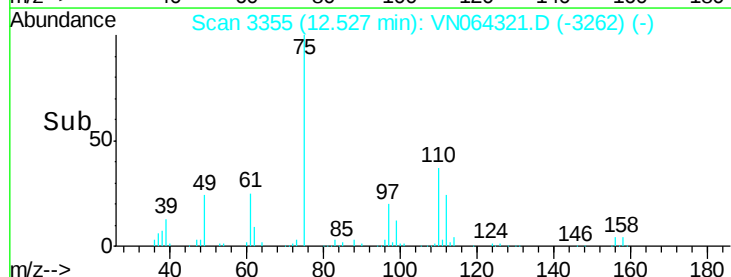
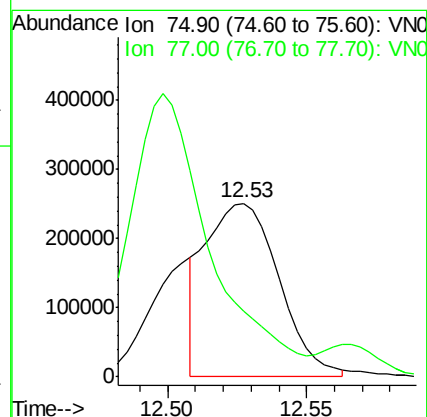
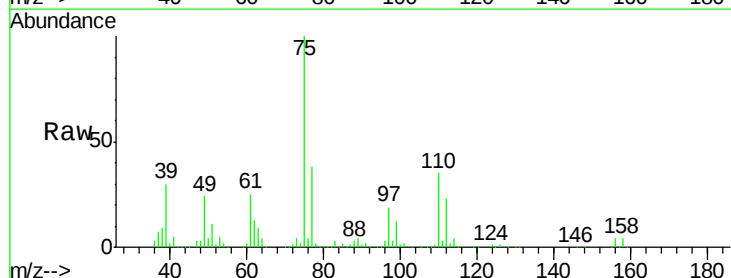
Acq: 27 Oct 2020 11:40

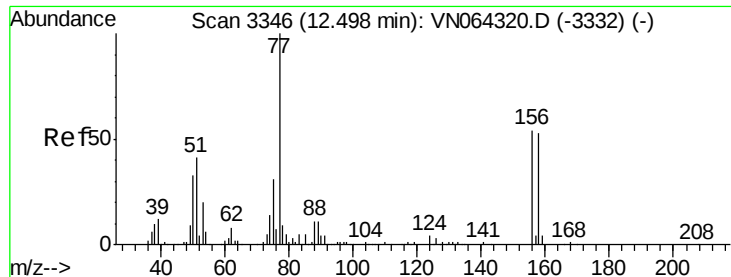
Tgt Ion: 75 Resp: 460160

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 104.279 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

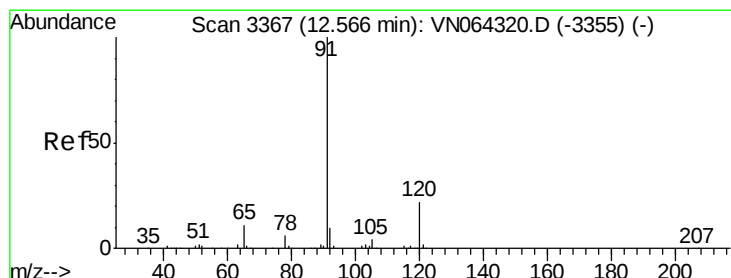
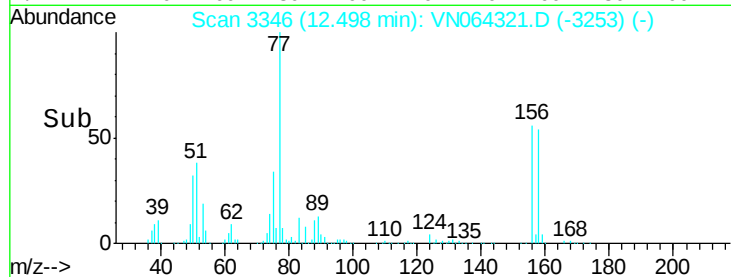
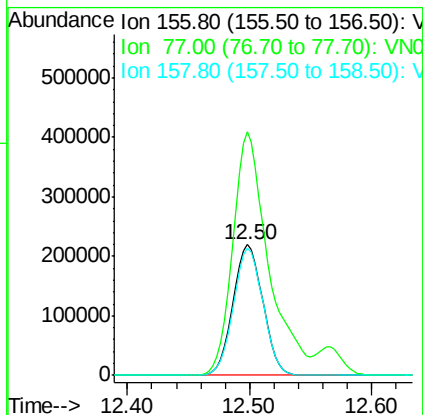
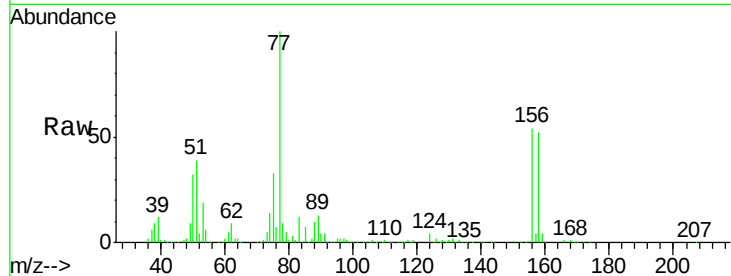
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.9	111.9	335.7
158	96.3	49.0	147.0

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#78

n-propylbenzene

Concen: 102.121 ug/l

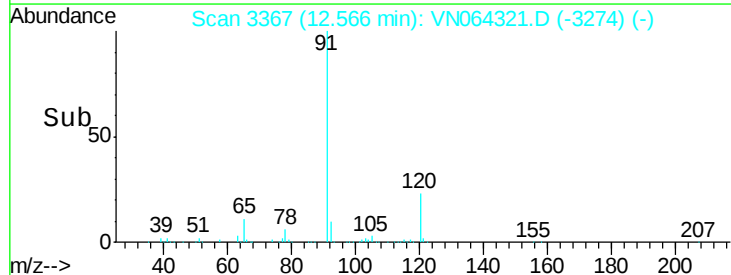
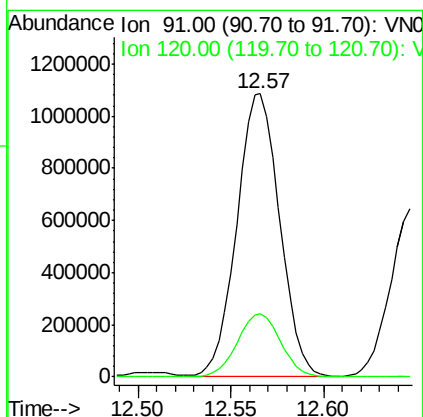
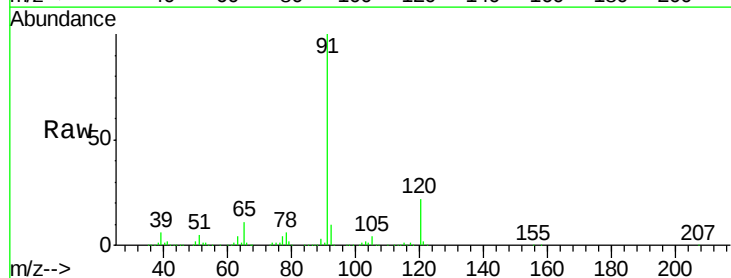
RT: 12.57 min Scan# 3367

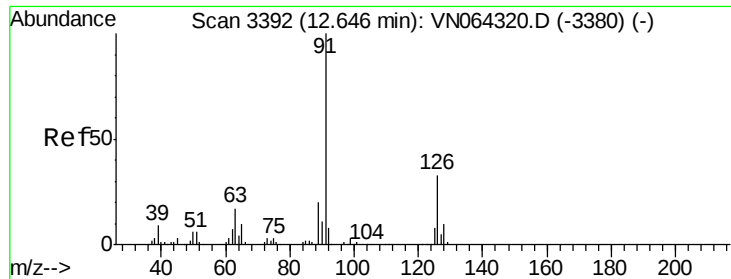
Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 101.579 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1063515

Ion Ratio Lower Upper

91 100

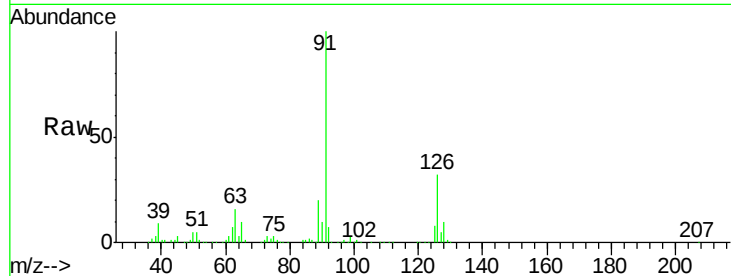
126 32.6 16.2 48.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064321.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN064321.D (-3392) (-)

1000000

800000

600000

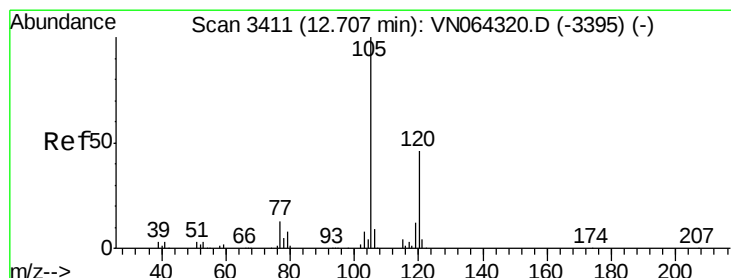
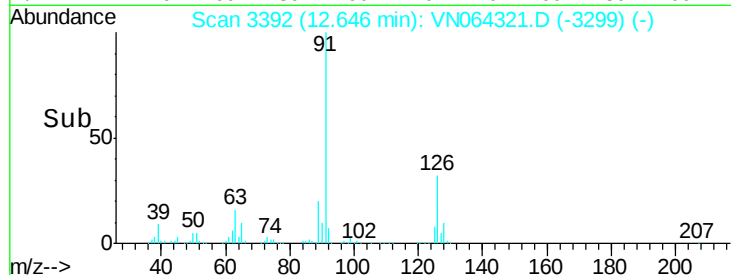
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 101.198 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064321.D

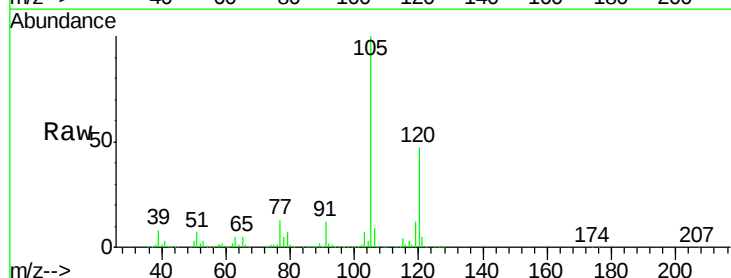
Acq: 27 Oct 2020 11:40

Tgt Ion:105 Resp: 1290284

Ion Ratio Lower Upper

105 100

120 46.8 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN064321.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN064321.D (-3411) (-)

800000

600000

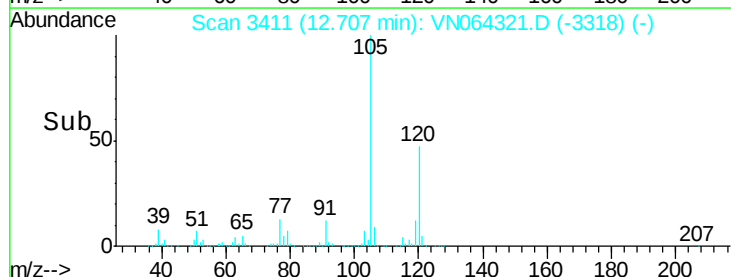
400000

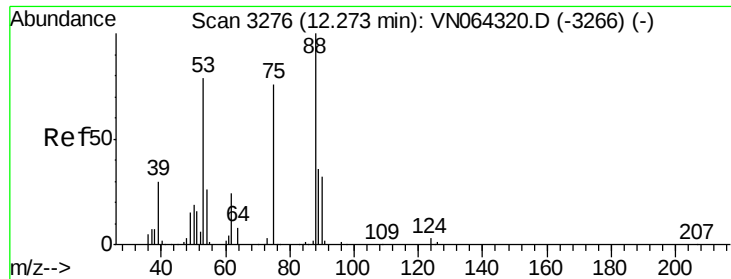
200000

0

12.60 12.65 12.70 12.75

Time-->





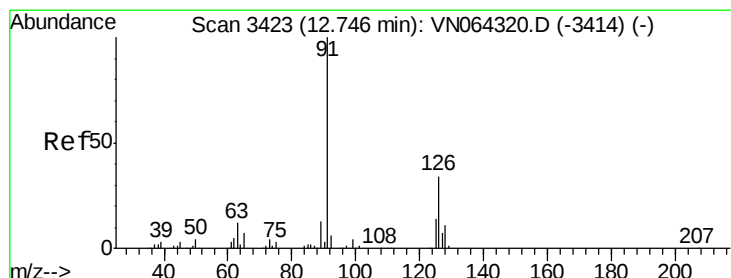
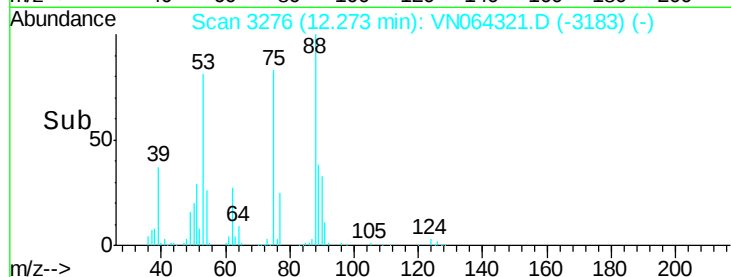
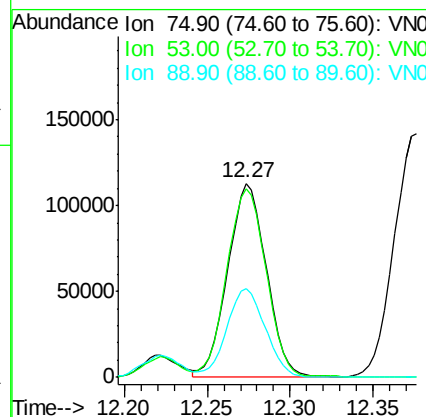
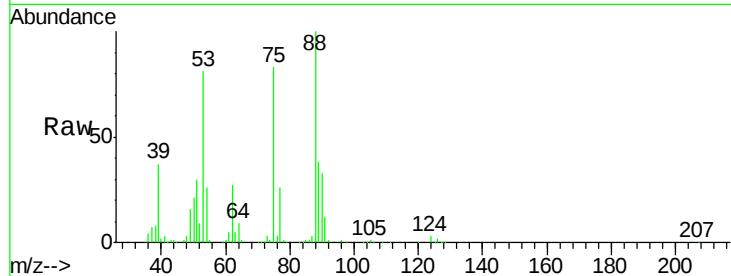
#81
trans-1,4-Dichloro-2-butene
Concen: 108.628 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100	181710		
53	100.1	81.8	122.8	
89	45.9	39.9	59.9	

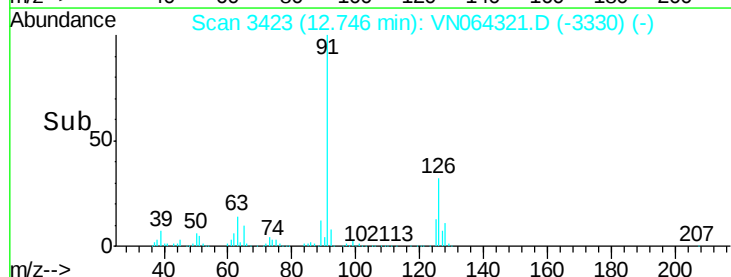
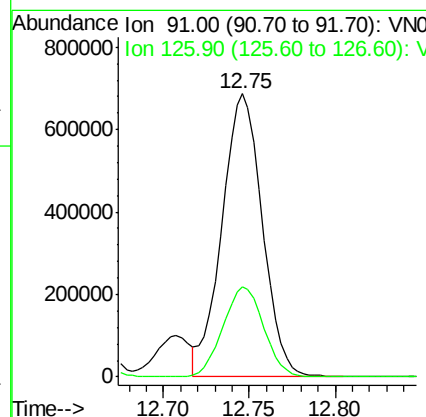
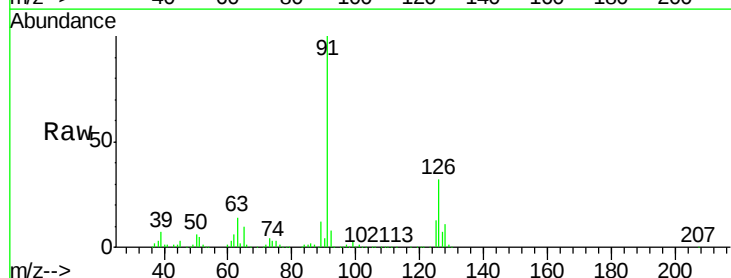
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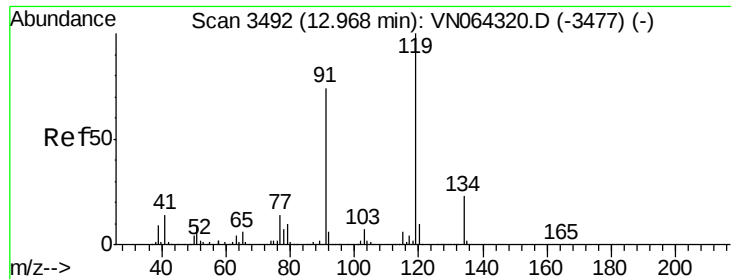
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#82
4-Chlorotoluene
Concen: 102.703 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1120701		
126	32.2	15.8	47.3	





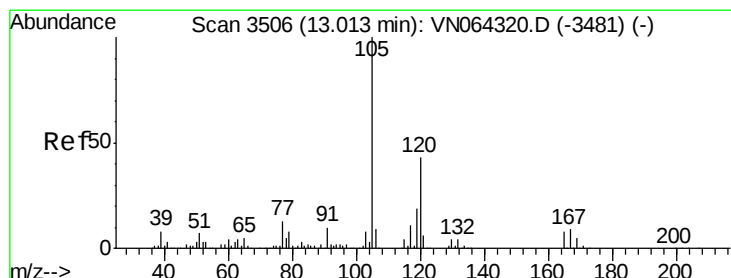
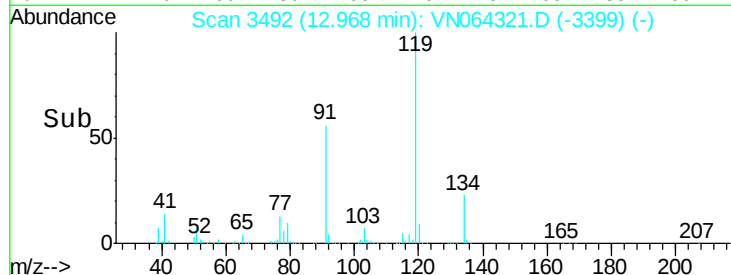
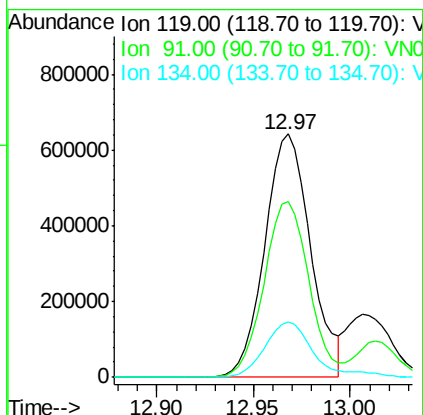
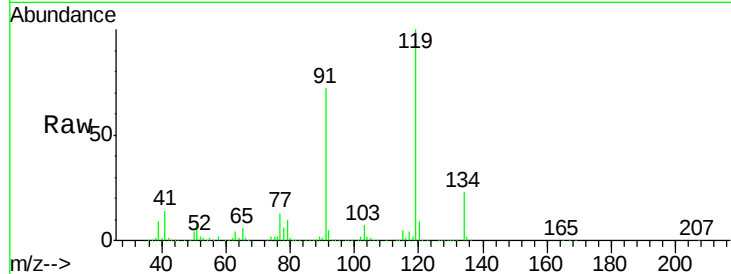
#83
 tert-Butylbenzene
 Concen: 101.504 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:119 Resp: 1060103
 Ion Ratio Lower Upper
 119 100
 91 70.9 36.4 109.1
 134 24.3 12.0 36.1

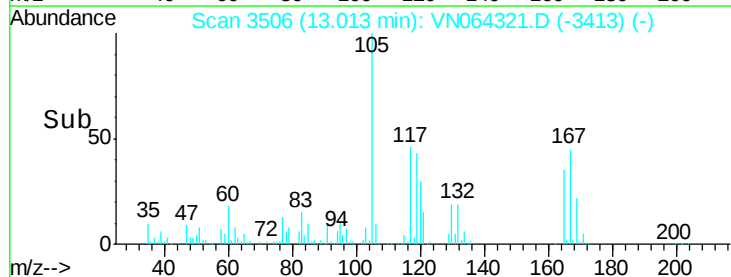
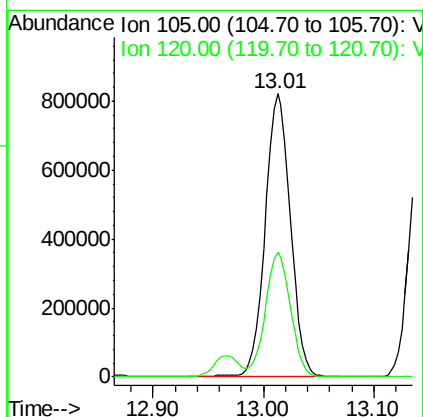
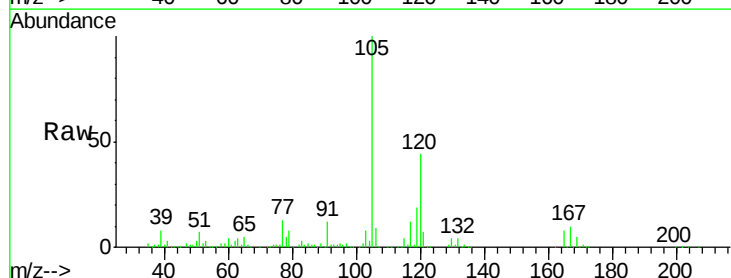
Manual Integrations
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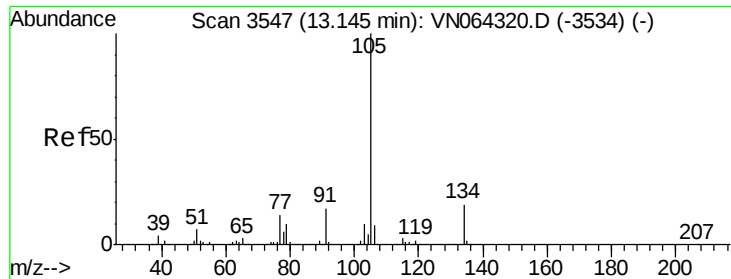
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#84
 1,2,4-Trimethylbenzene
 Concen: 102.397 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion:105 Resp: 1301963
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.3 64.0





#85

sec-Butylbenzene

Concen: 103.149 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1357824

Ion Ratio Lower Upper

105 100

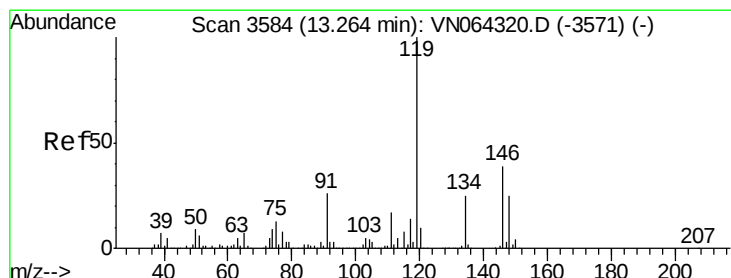
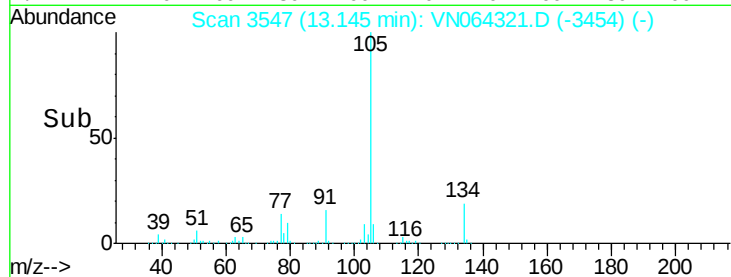
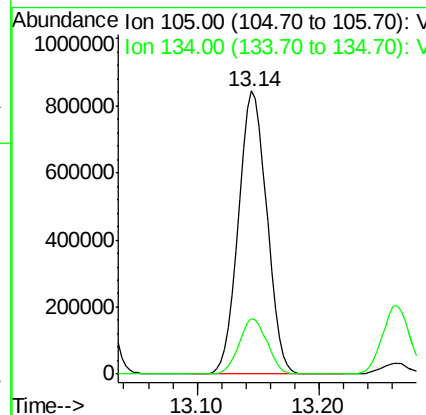
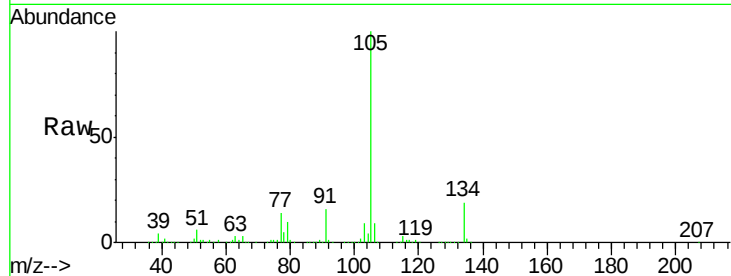
134 19.3 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 103.859 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

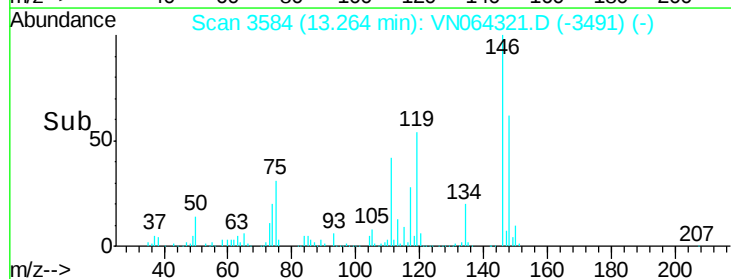
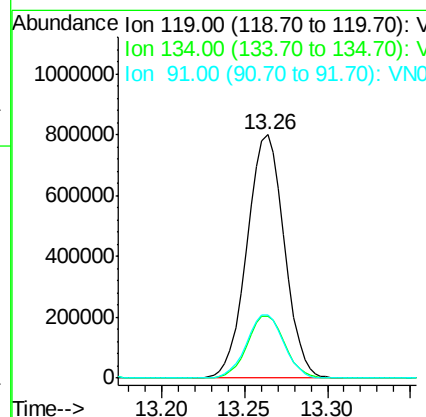
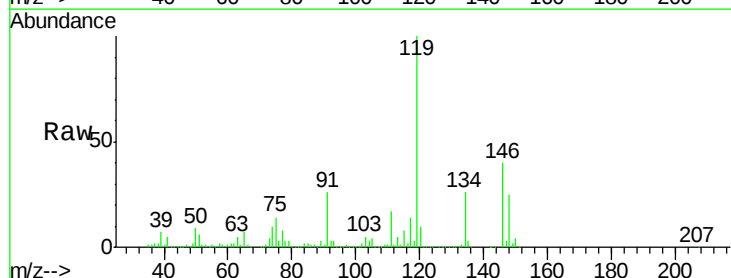
Tgt Ion:119 Resp: 1246586

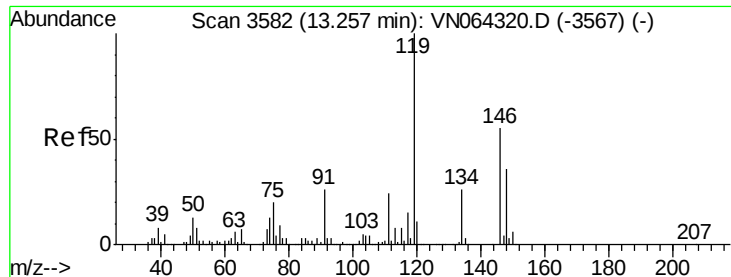
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 26.1 13.0 38.9





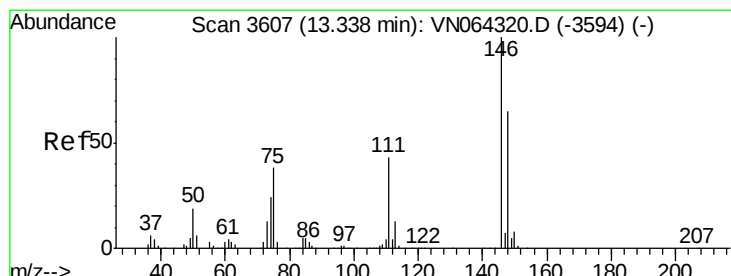
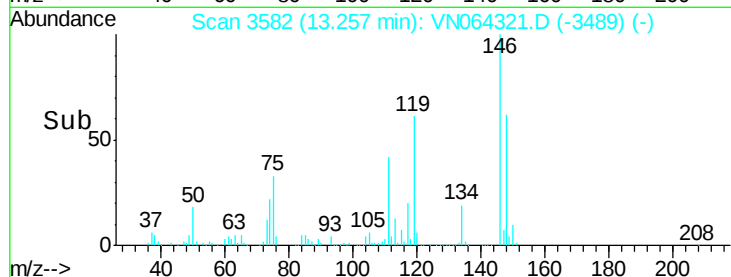
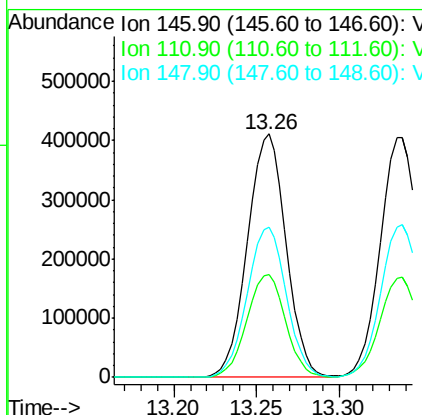
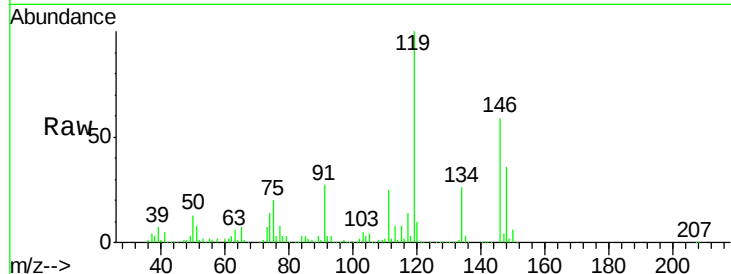
#87
 1,3-Dichlorobenzene
 Concen: 105.296 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.9	65.5
148	62.6	32.6	98.0

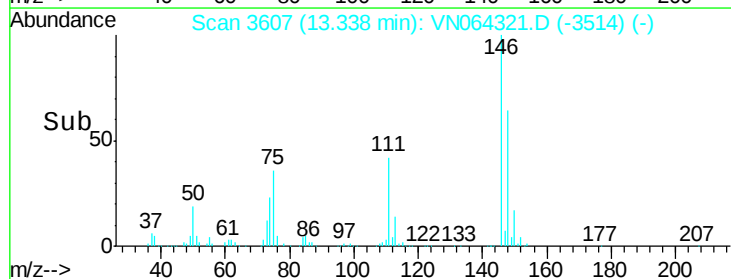
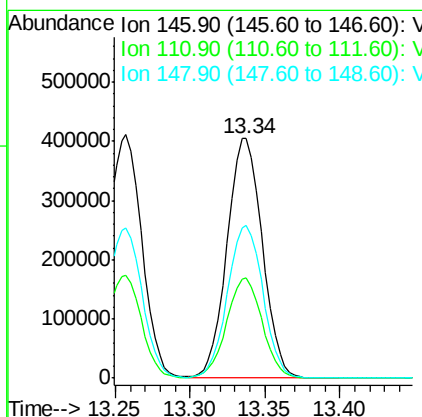
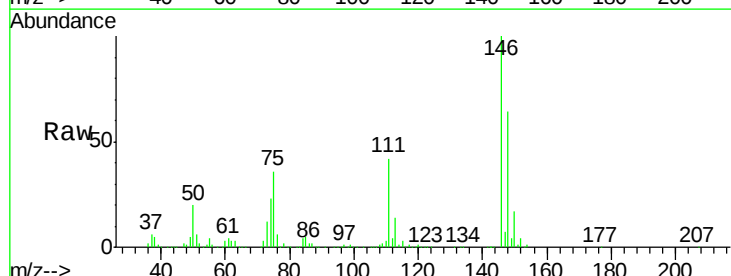
Manual Integrations
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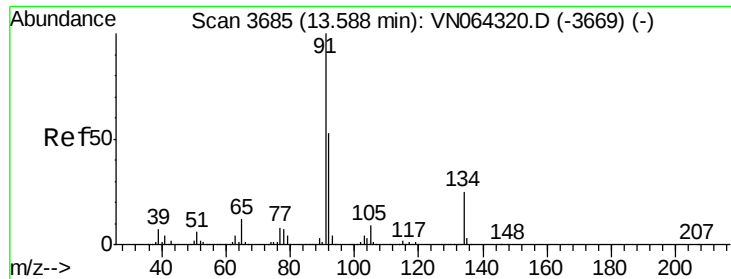
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#88
 1,4-Dichlorobenzene
 Concen: 102.805 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.8	65.4
148	63.9	31.8	95.3





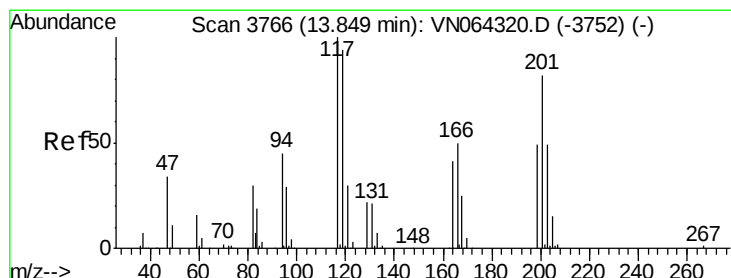
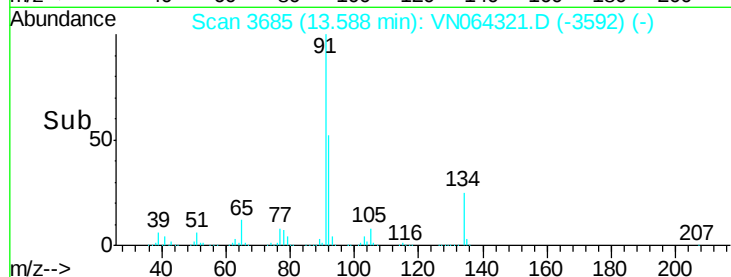
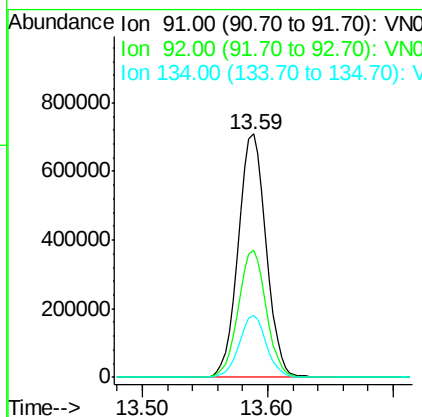
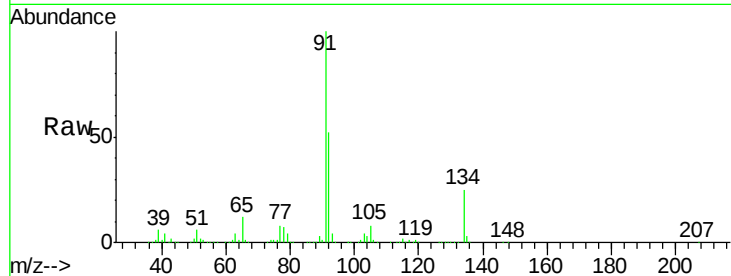
#89
n-Butylbenzene
Concen: 102.226 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1092161
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.5
134 24.7 12.4 37.4

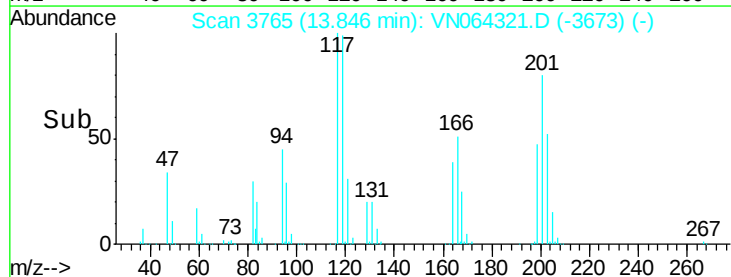
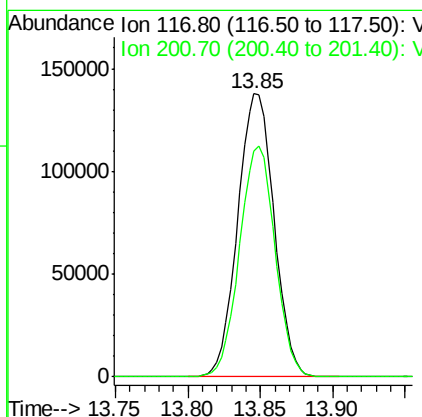
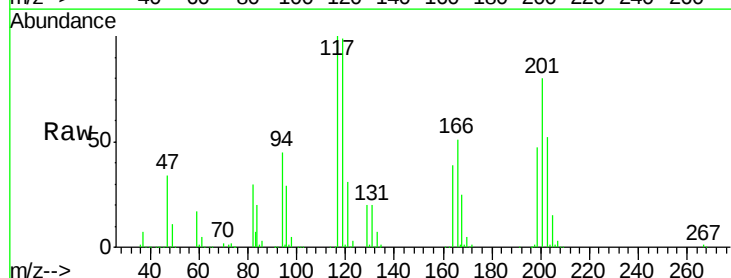
Manual Integrations
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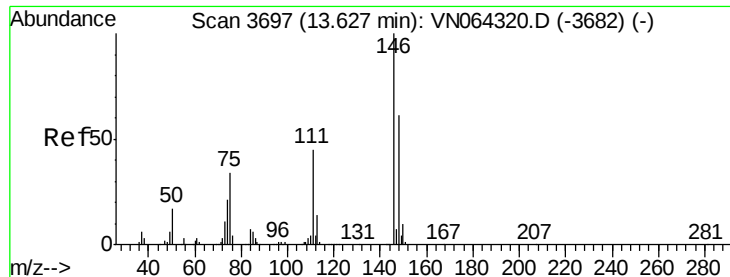
MMDadoda
10/28/2020 12:35:32 PM



#90
Hexachloroethane
Concen: 108.399 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064321.D
Acq: 27 Oct 2020 11:40

Tgt Ion: 117 Resp: 239901
Ion Ratio Lower Upper
117 100
201 80.0 39.8 119.3





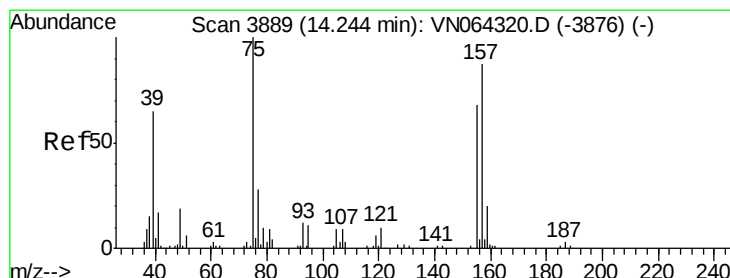
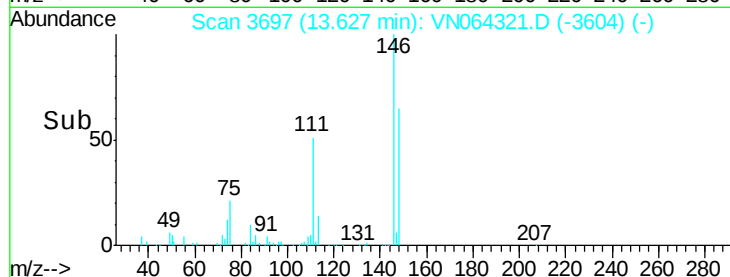
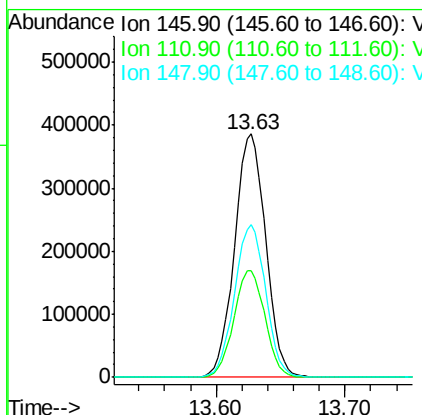
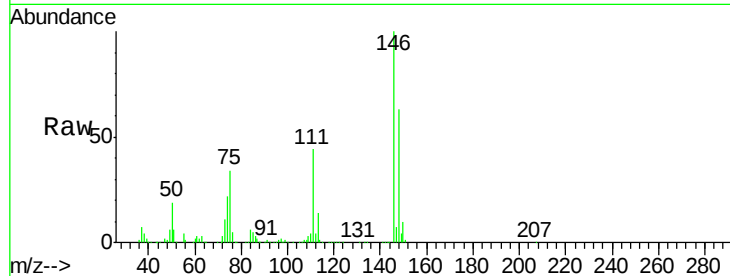
#91
 1,2-Dichlorobenzene
 Concen: 104.578 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	23.0	69.0
148	62.8	32.1	96.3

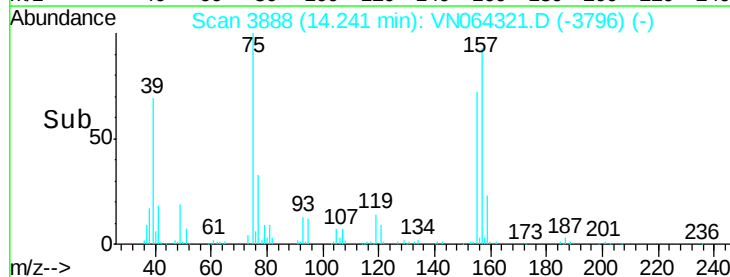
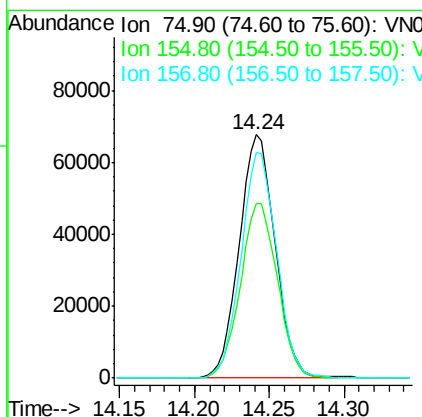
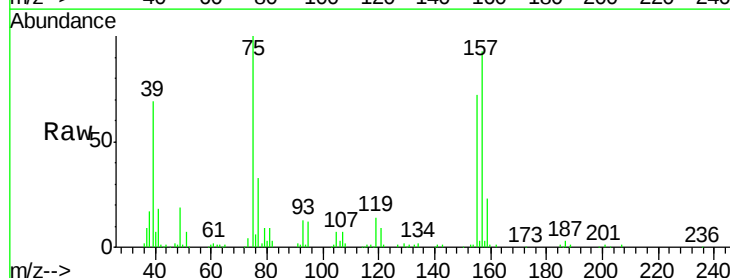
Manual Integrations
 APPROVED

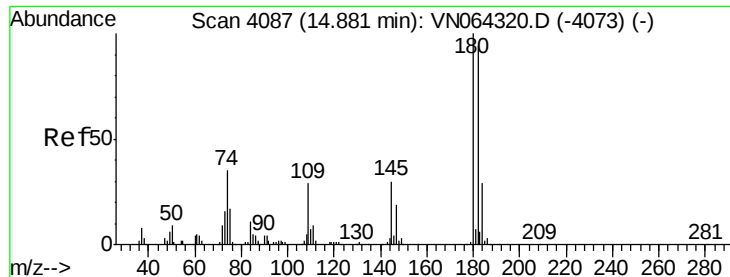
MMDadoda
 10/28/2020 12:35:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 111.700 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	35.1	105.5
157	92.1	43.2	129.6





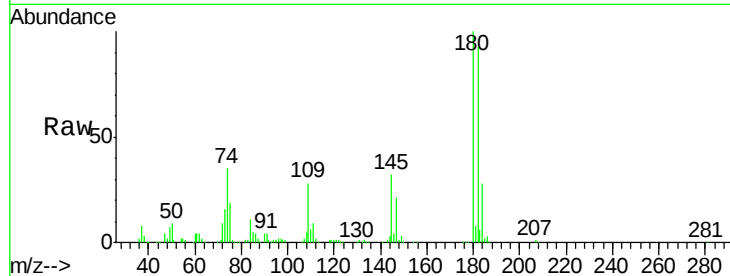
#93
 1,2,4-Trichlorobenzene
 Concen: 107.150 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370590		
182	94.1	46.6	139.7	
145	31.9	15.3	45.9	

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:32 PM

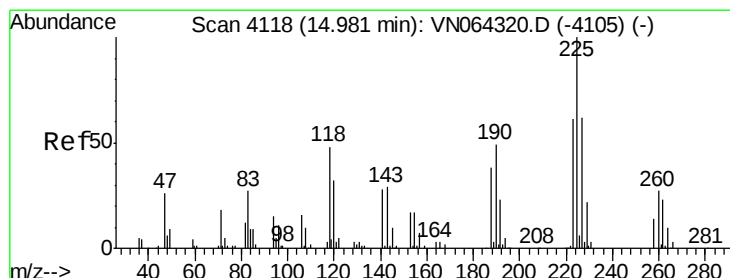
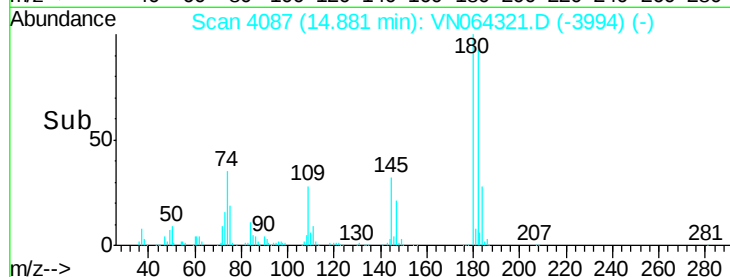
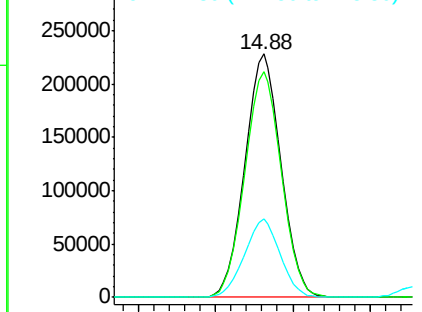


Abundance

Ion 179.80 (179.50 to 180.50): V

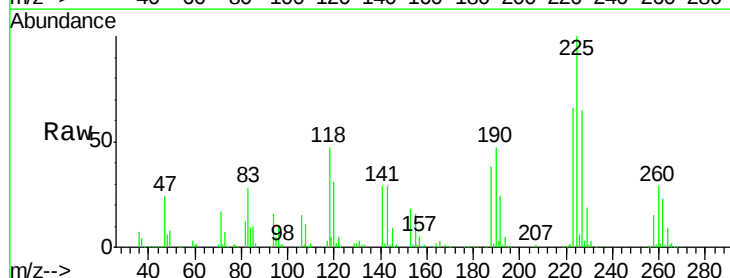
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 99.043 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064321.D
 Acq: 27 Oct 2020 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185552		
223	65.1	31.3	93.8	
227	64.8	32.3	96.9	

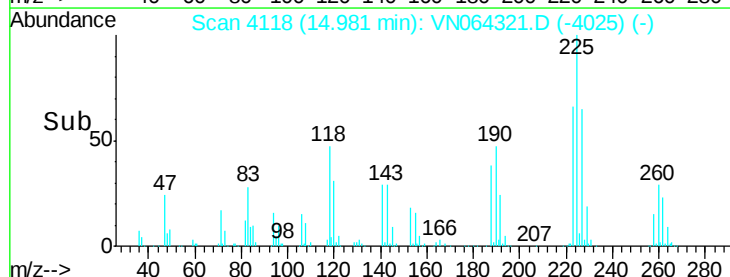
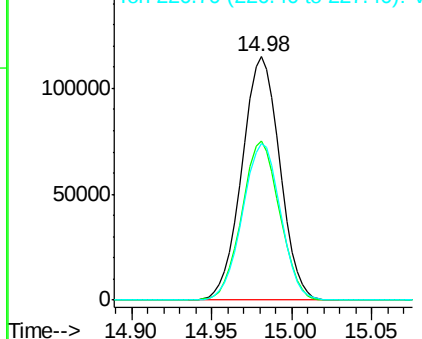


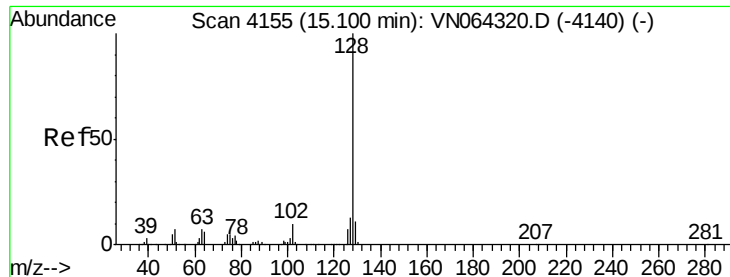
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 110.318 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1145826

Ion Ratio Lower Upper

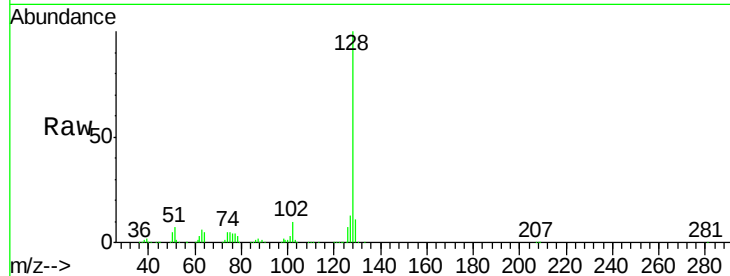
128 100

127 12.9 10.4 15.6

129 10.9 8.6 13.0

Manual Integrations
APPROVED

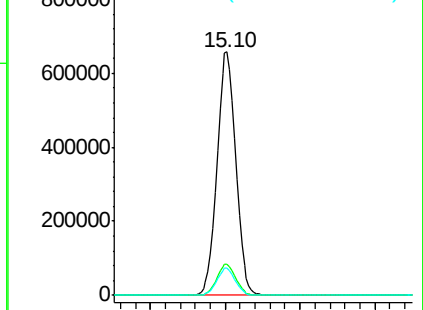
MMDadoda
10/28/2020 12:35:32 PM



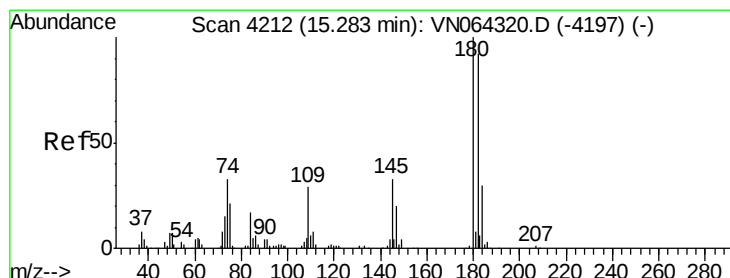
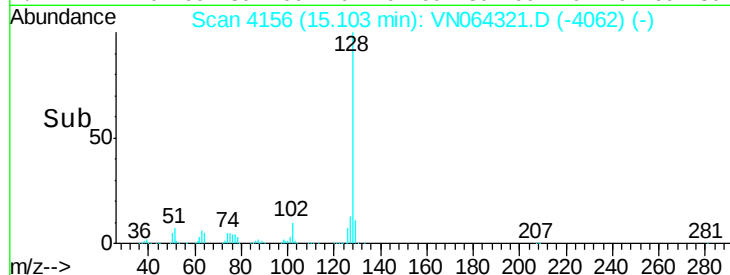
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 104.023 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064321.D

Acq: 27 Oct 2020 11:40

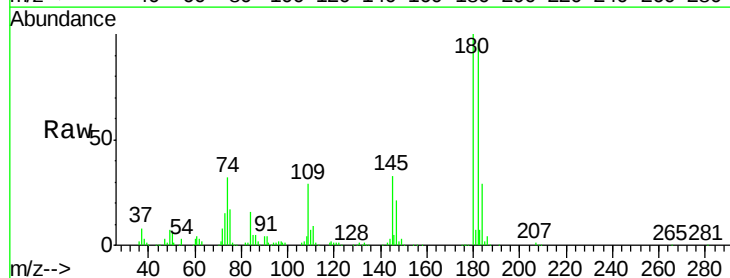
Tgt Ion:180 Resp: 356388

Ion Ratio Lower Upper

180 100

182 95.5 46.1 138.3

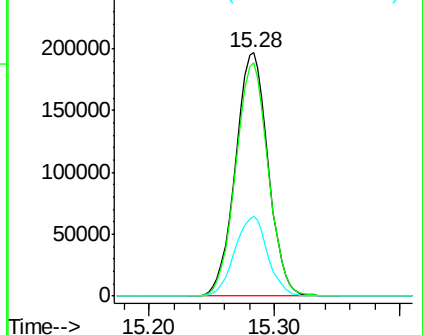
145 33.0 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Time-->

