

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102720\
 Data File : VN064322.D
 Acq On : 27 Oct 2020 12:04
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 12:35:36 PM

Quant Time: Oct 27 12:24:20 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	259503	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	419617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	397811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202512	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	635863	163.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.32%	
35) Dibromofluoromethane	7.55	113	449829	160.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	321.44%	
50) Toluene-d8	10.06	98	1699230	168.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.42%	
62) 4-Bromofluorobenzene	12.38	95	683264	167.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	438608	155.530	ug/l	100
3) Chloromethane	2.04	50	474374	158.926	ug/l	99
4) Vinyl Chloride	2.16	62	470651	157.849	ug/l	99
5) Bromomethane	2.50	94	291030	149.256	ug/l	99
6) Chloroethane	2.65	64	273033	151.170	ug/l	95
7) Trichlorofluoromethane	2.97	101	729219	148.621	ug/l	99
8) Diethyl Ether	3.37	74	257552	158.875	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	383677	151.537	ug/l	100
10) Methyl Iodide	3.90	142	571410	159.631	ug/l	98
11) Tert butyl alcohol	4.74	59	471334	877.252	ug/l	97
12) 1,1-Dichloroethene	3.69	96	371974	152.664	ug/l	95
13) Acrolein	3.56	56	104754	365.082	ug/l	93
14) Allyl chloride	4.27	41	778280	159.906	ug/l	96
15) Acrylonitrile	4.93	53	1087296	973.942	ug/l	100
16) Acetone	3.77	43	1016477	873.604	ug/l	99
17) Carbon Disulfide	4.01	76	1119951	161.294	ug/l	99
18) Methyl Acetate	4.27	43	473065	164.432	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1466536	171.255	ug/l	97
20) Methylene Chloride	4.50	84	435685	147.427	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	418317	155.905	ug/l	96
22) Diisopropyl ether	5.90	45	1544851	167.689	ug/l	91
23) Vinyl Acetate	5.84	43	6775432	829.308	ug/l	99
24) 1,1-Dichloroethane	5.79	63	835268	158.194	ug/l	99
25) 2-Butanone	6.78	43	1619416	890.914	ug/l	100
26) 2,2-Dichloropropane	6.77	77	791306	150.697	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	488222	155.464	ug/l	99
28) Bromochloromethane	7.15	49	422952	168.374	ug/l	96
29) Tetrahydrofuran	7.16	42	1073044	972.960	ug/l	99
30) Chloroform	7.33	83	871689	154.613	ug/l	97
31) Cyclohexane	7.61	56	702405	150.929	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	824597	156.286	ug/l	99
36) 1,1-Dichloropropene	7.75	75	651156	155.394	ug/l	99
37) Ethyl Acetate	6.88	43	677655	174.258	ug/l	99
38) Carbon Tetrachloride	7.73	117	749979	156.440	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	649445	168.767	ug/l	98
40) Benzene	8.00	78	1814065	156.730	ug/l	99
41) Methacrylonitrile	7.14	41	344639m	169.496	ug/l	
42) 1,2-Dichloroethane	8.08	62	754748	151.179	ug/l	99
43) Isopropyl Acetate	8.13	43	1181009	164.996	ug/l	99
44) Trichloroethene	8.80	130	491668	155.683	ug/l	98
45) 1,2-Dichloropropane	9.08	63	478252	155.072	ug/l	100
46) Dibromomethane	9.17	93	346348	165.888	ug/l	98
47) Bromodichloromethane	9.37	83	736774	160.305	ug/l	98
48) Methyl methacrylate	9.16	41	591517	159.075	ug/l	99
49) 1,4-Dioxane	9.17	88	185167	4052.991	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	3417253	882.895	ug/l	99
52) Toluene	10.13	92	1162904	157.399	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	845543	166.397	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	851411	158.599	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	460575	164.255	ug/l	100
56) Ethyl methacrylate	10.40	69	738450	170.182	ug/l	98
57) 1,3-Dichloropropane	10.68	76	798005	163.715	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1869226	839.449	ug/l	99
59) 2-Hexanone	10.72	43	2588300	912.552	ug/l	99
60) Dibromochloromethane	10.87	129	576739	159.048	ug/l	99
61) 1,2-Dibromoethane	10.98	107	502413	169.343	ug/l	99
64) Tetrachloroethene	10.60	164	469669	146.202	ug/l	97
65) Chlorobenzene	11.41	112	1266141	154.395	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	492876	151.384	ug/l	99
67) Ethyl Benzene	11.48	91	2322981	153.813	ug/l	98
68) m/p-Xylenes	11.59	106	1735020	309.828	ug/l	96
69) o-Xylene	11.92	106	839098	155.975	ug/l	95
70) Styrene	11.94	104	1452773	160.398	ug/l	100
71) Bromoform	12.10	173	426688	169.261	ug/l #	98
73) Isopropylbenzene	12.22	105	2231378	145.289	ug/l	99
74) N-amyl acetate	12.05	43	1082109	161.910	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	644213	155.936	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	706265m	160.515	ug/l	
77) Bromobenzene	12.50	156	558282	152.816	ug/l	98
78) n-propylbenzene	12.57	91	2576831	148.296	ug/l	99
79) 2-Chlorotoluene	12.65	91	1587850	148.722	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1920986	147.747	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	272878	159.970	ug/l	96
82) 4-Chlorotoluene	12.75	91	1674239	150.459	ug/l	99
83) tert-Butylbenzene	12.97	119	1549121	145.454	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1950089	150.401	ug/l	98
85) sec-Butylbenzene	13.14	105	2024505	150.817	ug/l	99
86) p-Isopropyltoluene	13.26	119	1865895	152.445	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	1004313	155.175	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	1000736	151.419	ug/l	99
89) n-Butylbenzene	13.59	91	1638015	150.348	ug/l	99
90) Hexachloroethane	13.85	117	359005	159.074	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	964391	152.205	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	172818	166.604	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	575807	163.261	ug/l	99
94) Hexachlorobutadiene	14.98	225	285735	149.565	ug/l	99
95) Naphthalene	15.10	128	1787457	168.761	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	557324	159.522	ug/l	97

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

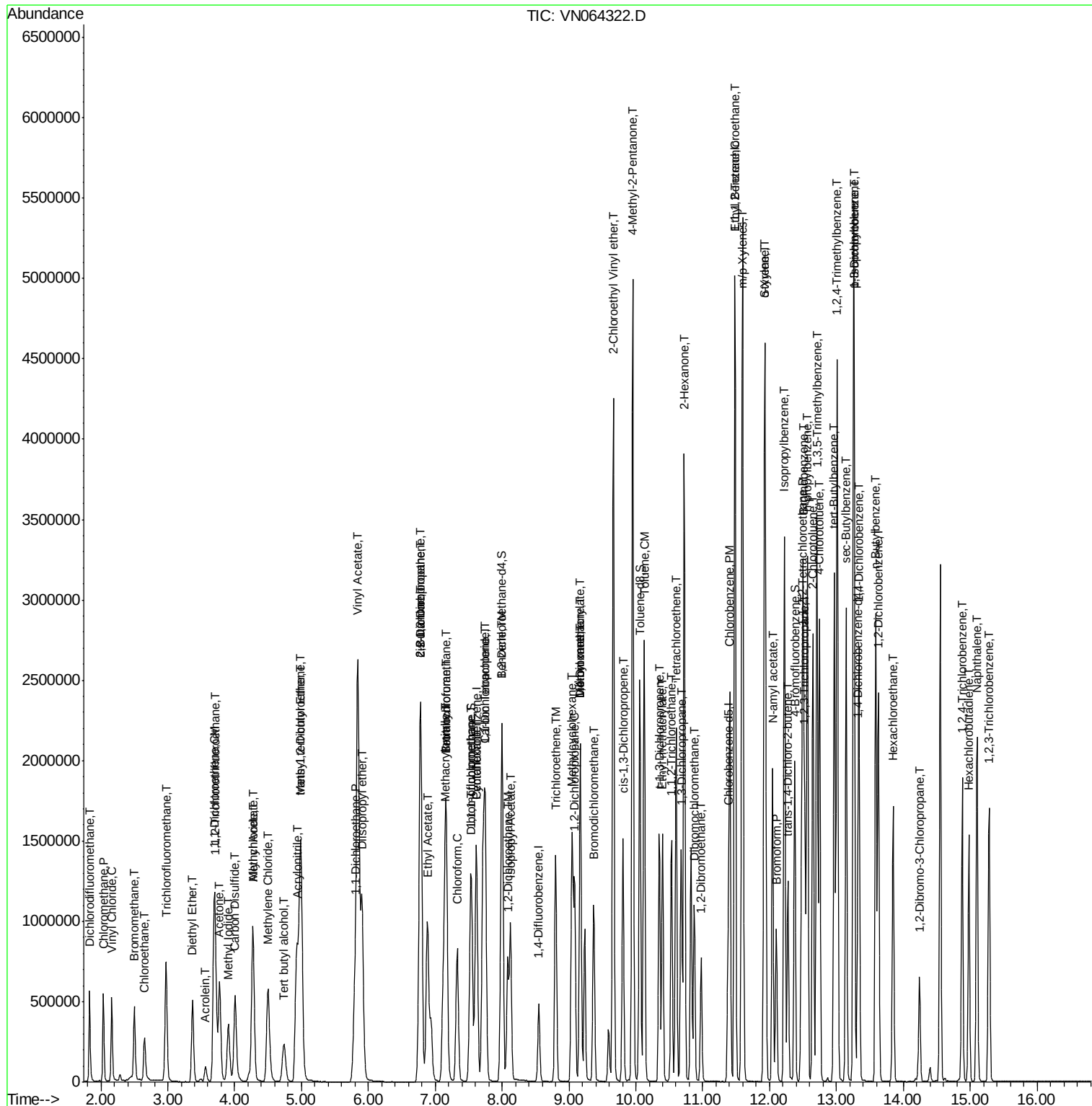
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Data File : VN064322.D
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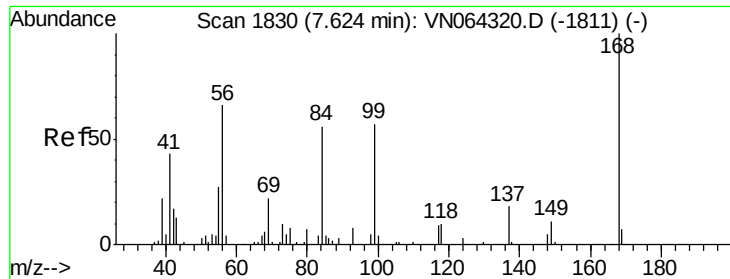
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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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: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 259503

Ion Ratio Lower Upper

168 100

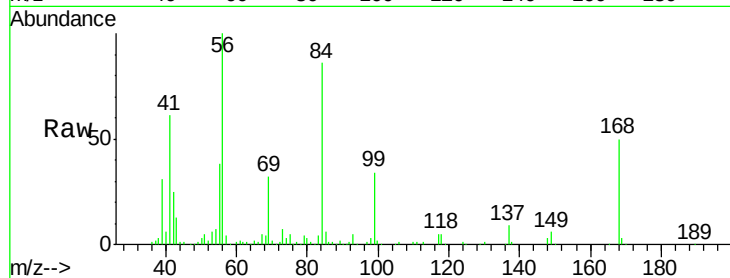
99 67.4 52.7 79.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

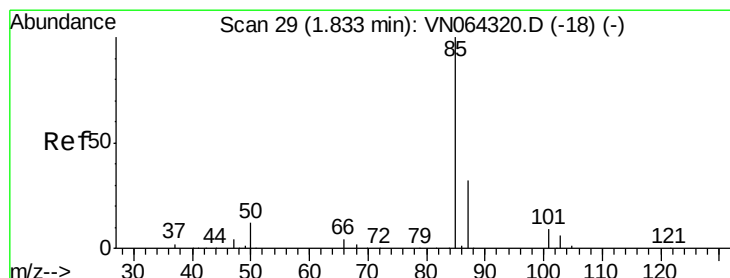
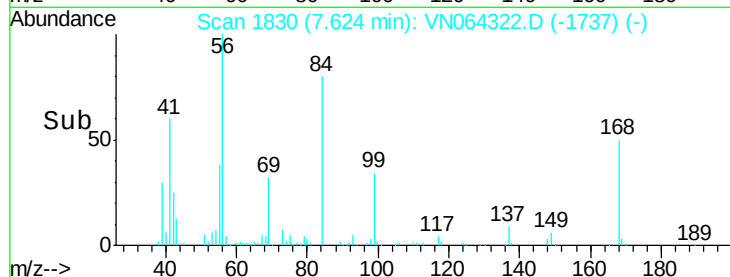
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 155.530 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064322.D

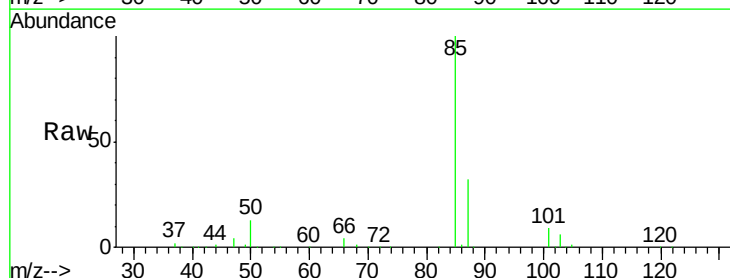
Acq: 27 Oct 2020 12:04

Tgt Ion: 85 Resp: 438608

Ion Ratio Lower Upper

85 100

87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

300000

200000

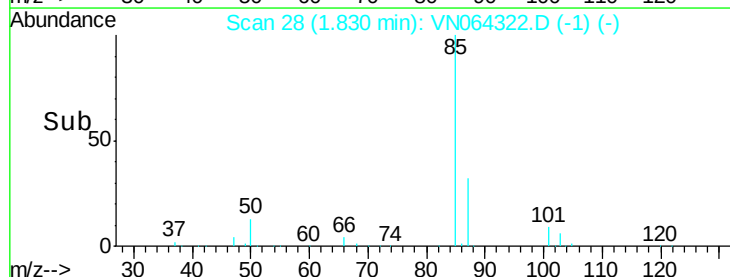
100000

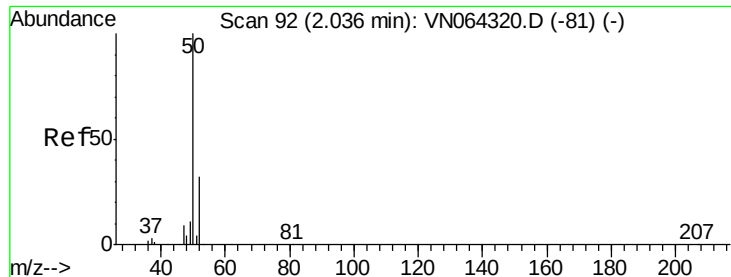
0

1.80

1.90

Time-->





#3

Chloromethane

Concen: 158.926 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 474374

Ion Ratio Lower Upper

50 100

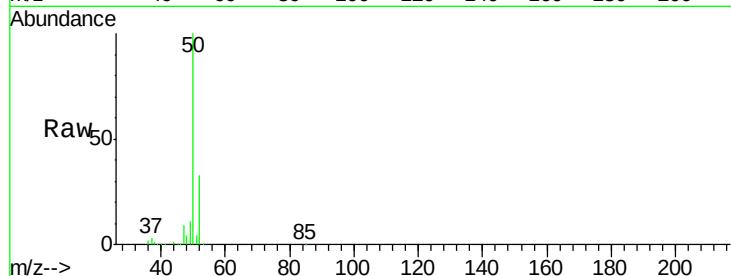
52 32.6 25.6 38.4

Manual Integrations

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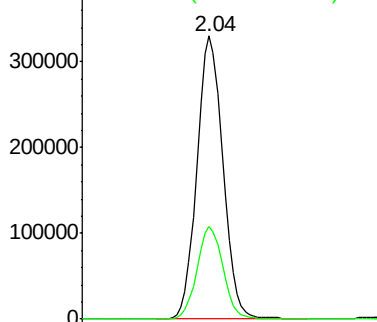
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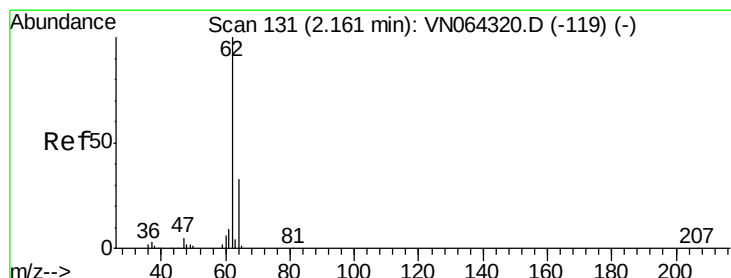
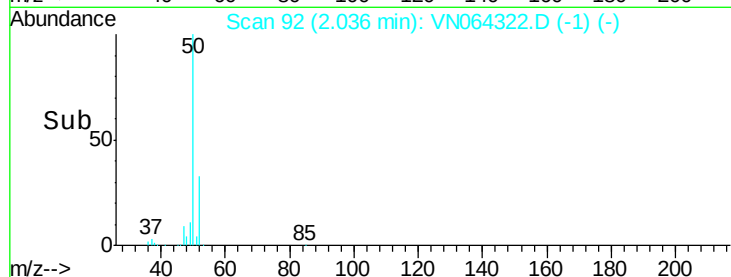


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 157.849 ug/l

RT: 2.16 min Scan# 131

Delta R.T. 0.00 min

Lab File: VN064322.D

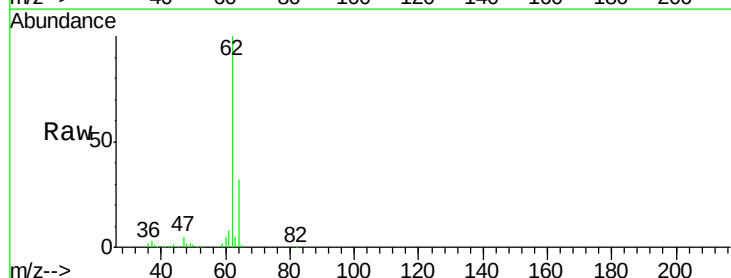
Acq: 27 Oct 2020 12:04

Tgt Ion: 62 Resp: 470651

Ion Ratio Lower Upper

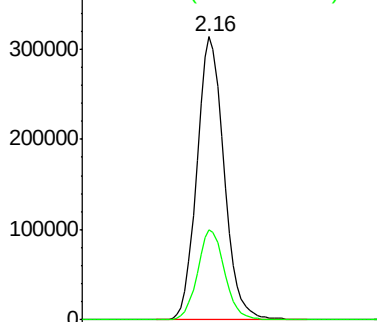
62 100

64 32.0 26.2 39.4

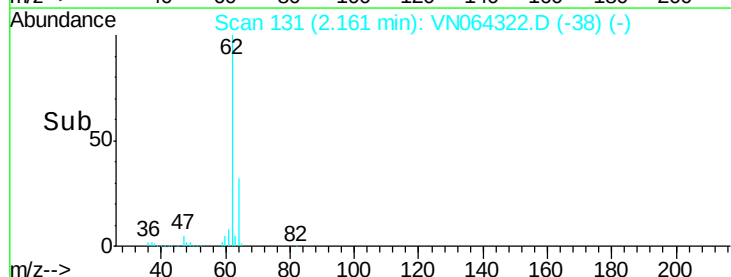


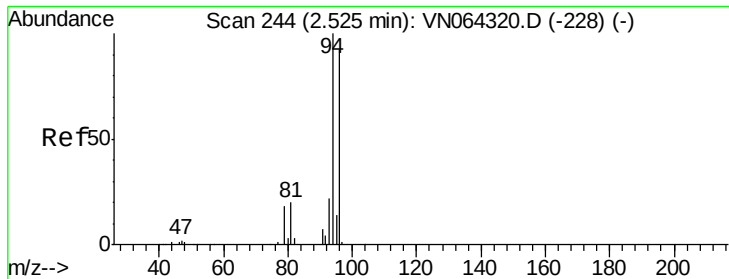
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 149.256 ug/l

RT: 2.50 min Scan# 236

Delta R.T. -0.03 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

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Tot Ion: 94 Resp: 291030

Ion Ratio Lower Upper

94 100

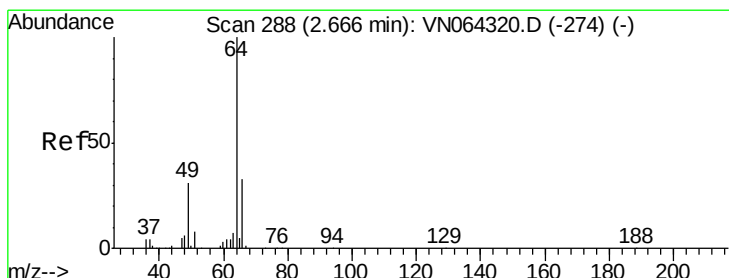
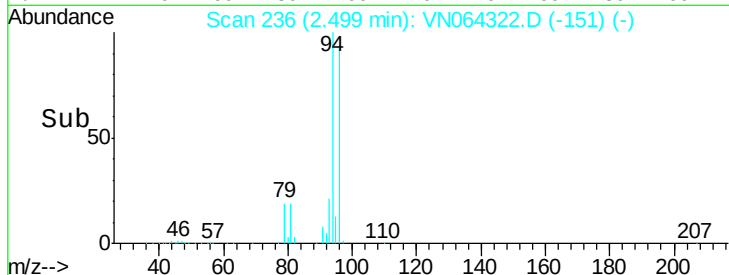
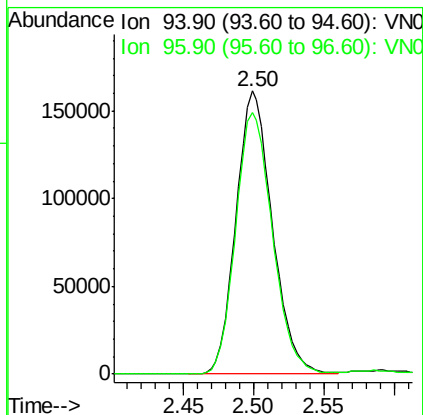
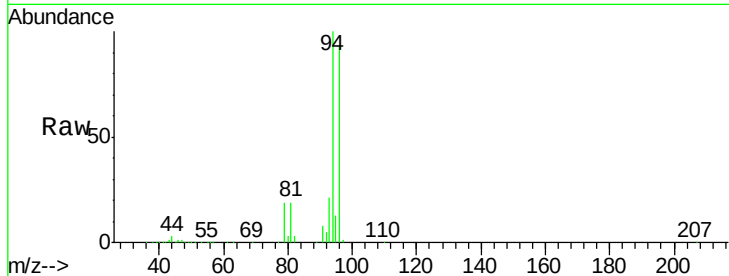
96 92.6 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 151.170 ug/l

RT: 2.65 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN064322.D

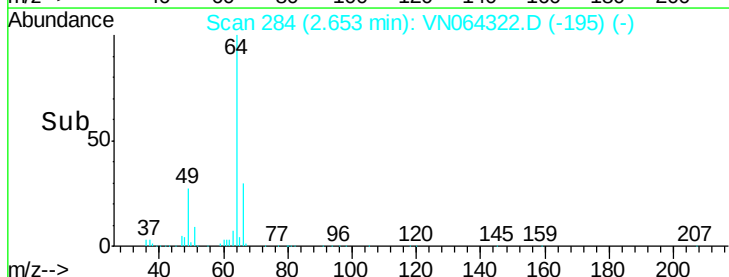
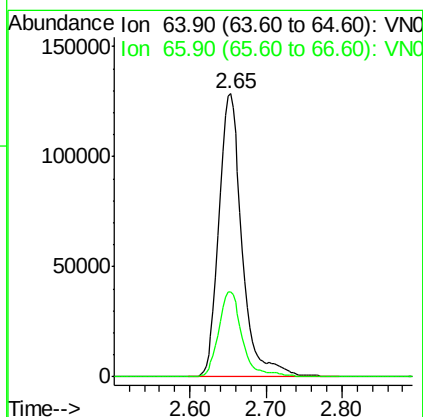
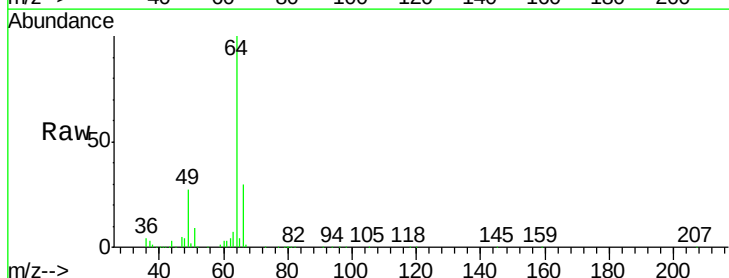
Acq: 27 Oct 2020 12:04

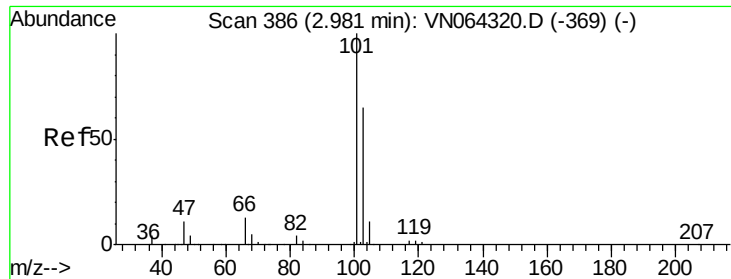
Tgt Ion: 64 Resp: 273033

Ion Ratio Lower Upper

64 100

66 30.2 26.5 39.7





#7

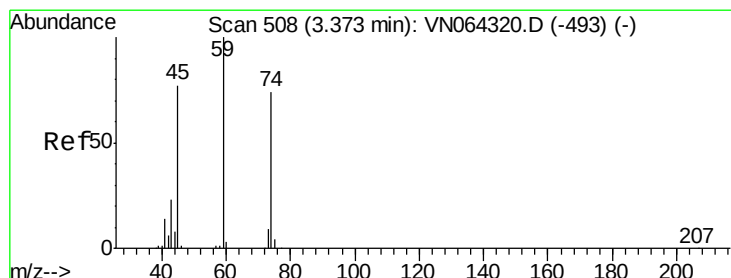
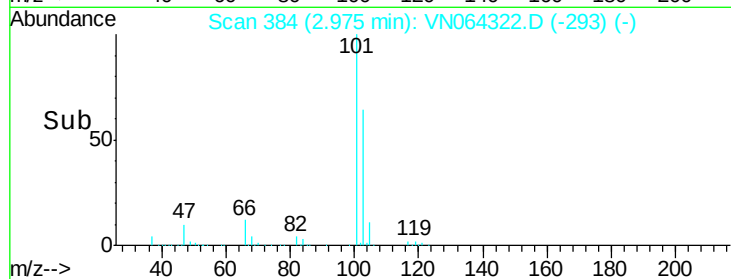
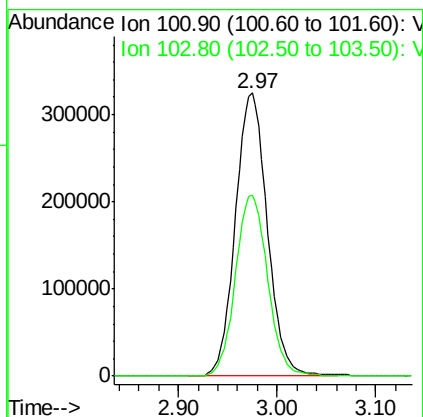
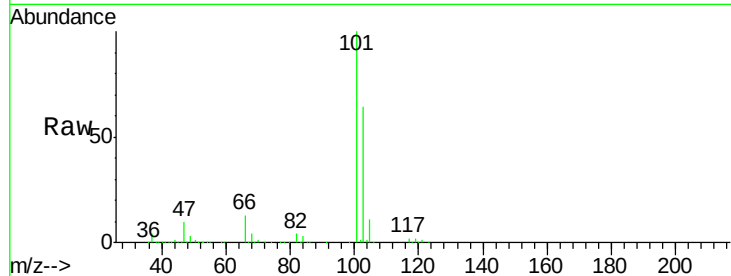
Trichlorofluoromethane
 Concen: 148.621 ug/l
 RT: 2.97 min Scan# 384
 Delta R.T. -0.01 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
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 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.7	77.5

Manual Integrations
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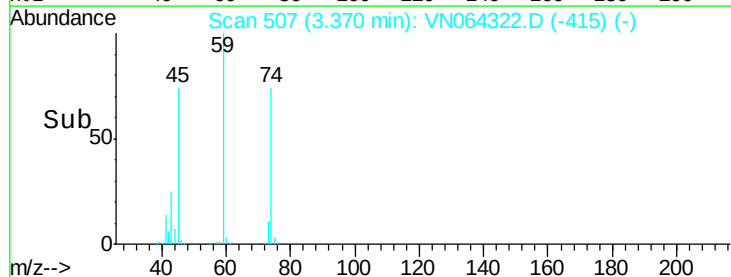
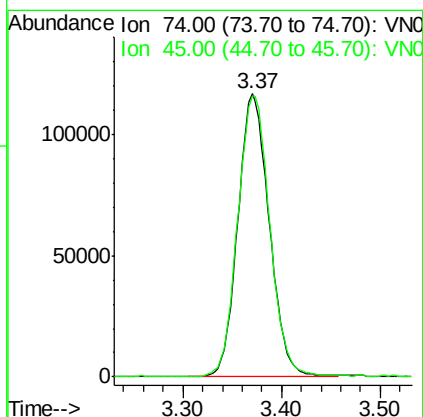
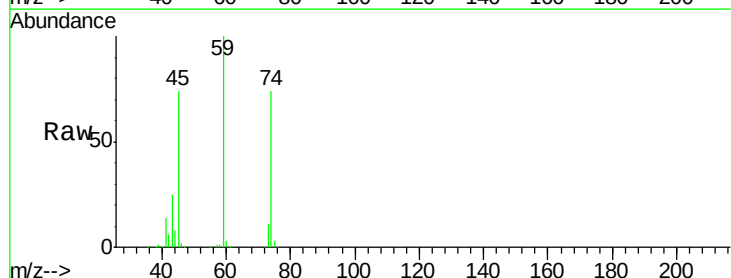
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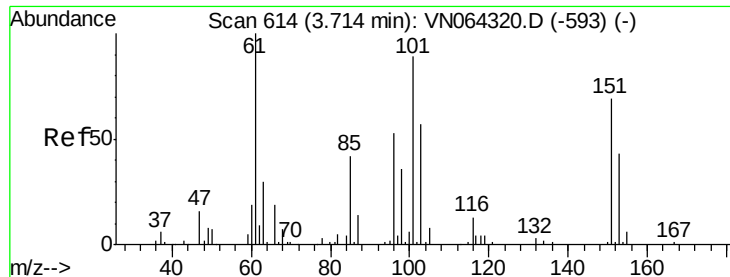


#8

Diethyl Ether
 Concen: 158.875 ug/l
 RT: 3.37 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 151.537 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

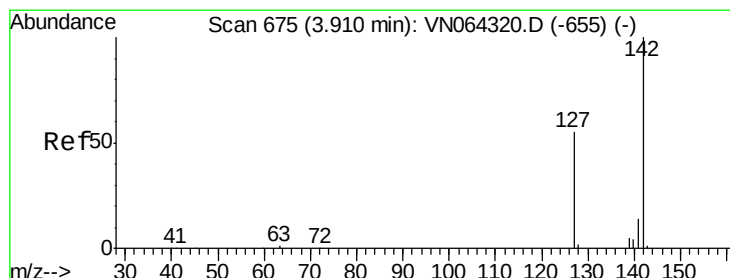
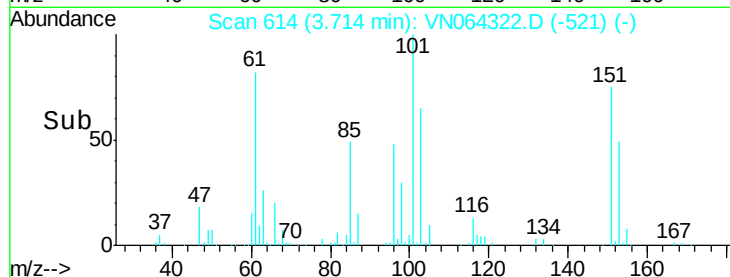
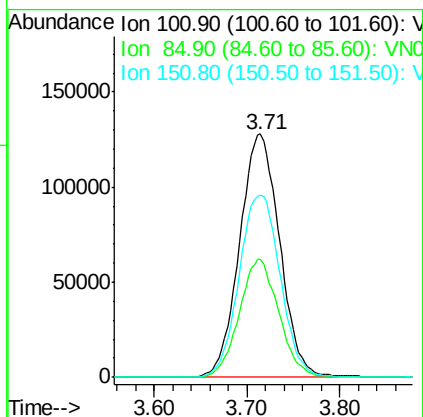
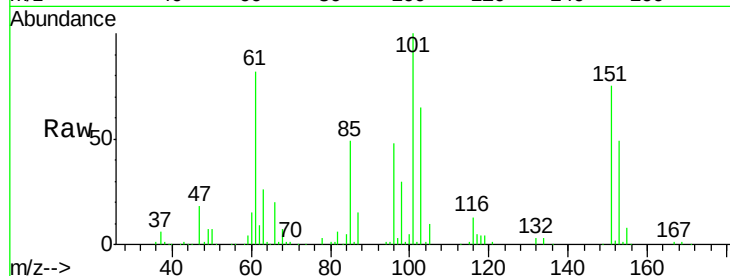
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	383677
Ion Ratio	Lower	Upper	
101	100		
85	47.9	38.4	57.6
151	77.0	62.0	93.0

Manual Integrations
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#10

Methyl Iodide

Concen: 159.631 ug/l

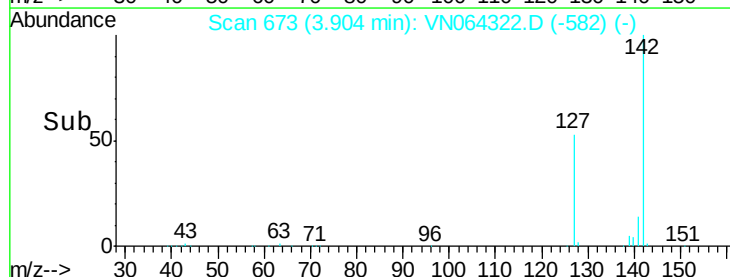
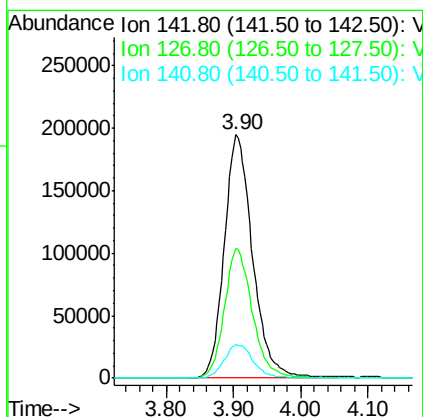
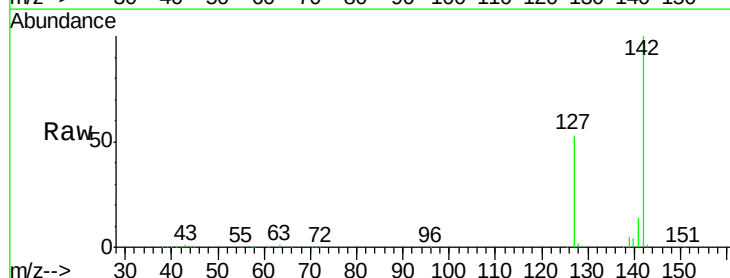
RT: 3.90 min Scan# 673

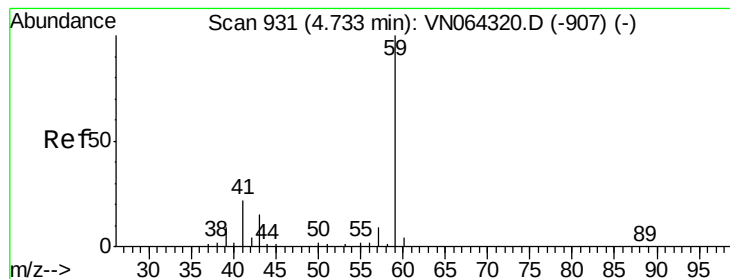
Delta R.T. -0.01 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tgt Ion:	142	Resp:	571410
Ion Ratio	Lower	Upper	
142	100		
127	52.4	43.3	64.9
141	14.2	11.5	17.3





#11

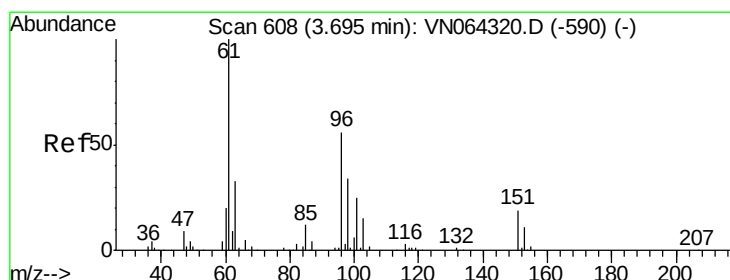
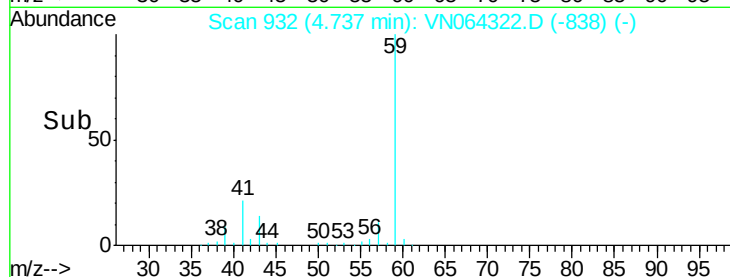
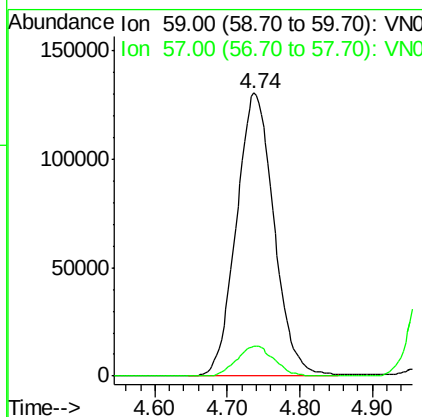
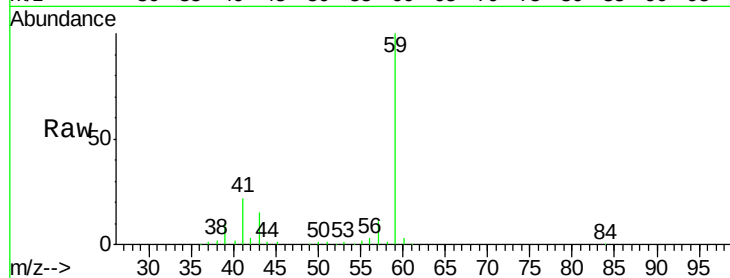
Tert butyl alcohol
Concen: 877.252 ug/l
RT: 4.74 min Scan# 932
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.4	14.0

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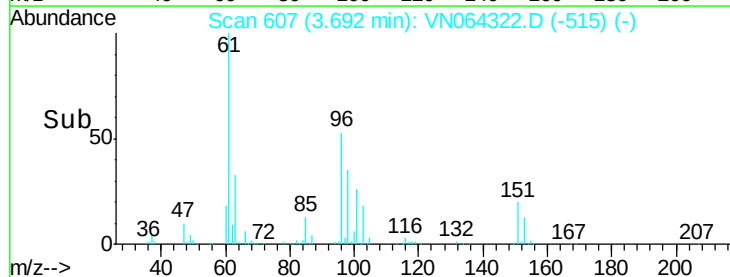
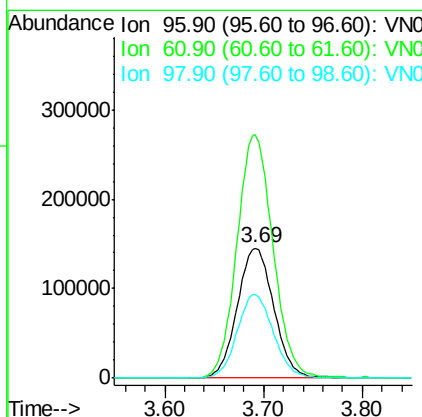
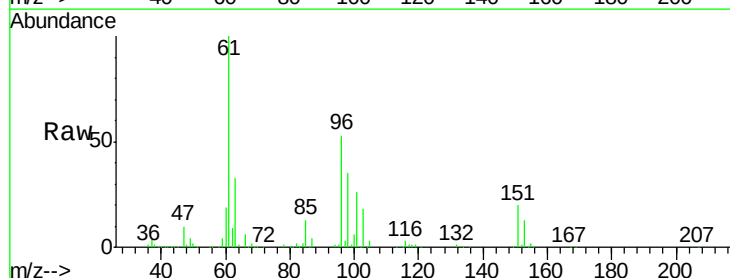
MMDadoda
10/28/2020 12:35:36 PM

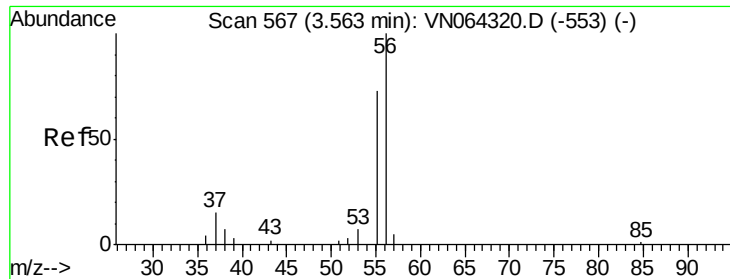


#12

1,1-Dichloroethene
Concen: 152.664 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	143.6	215.4
98	64.8	48.6	73.0





#13

Acrolein

Concen: 365.082 ug/l

RT: 3.56 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 104754

Ion Ratio Lower Upper

56 100

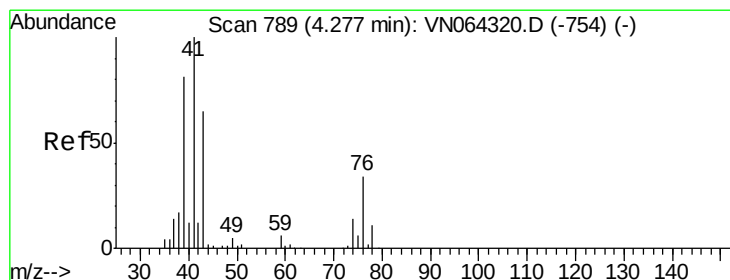
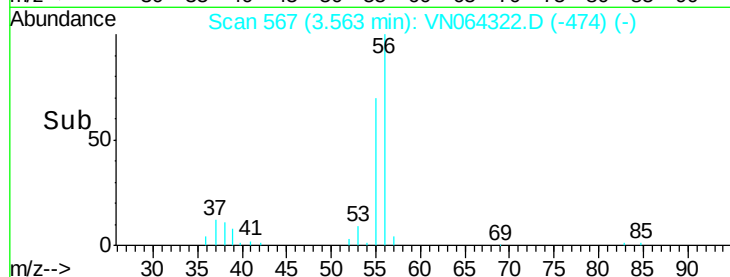
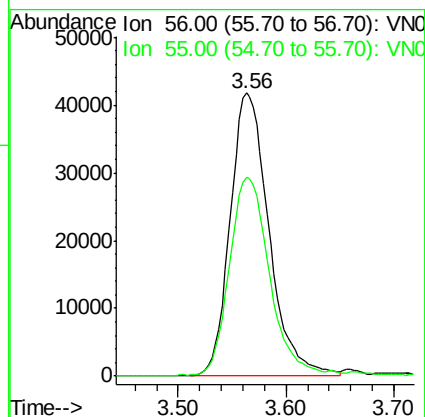
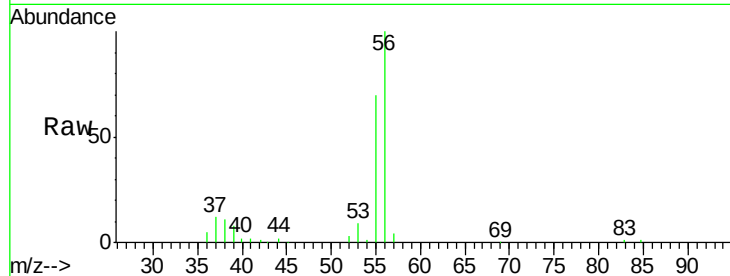
55 72.5 62.6 94.0

Manual Integrations

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#14

Allyl chloride

Concen: 159.906 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

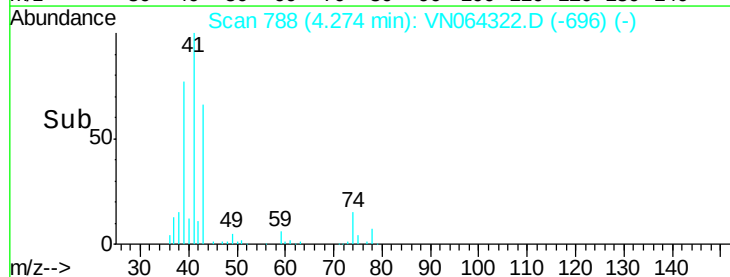
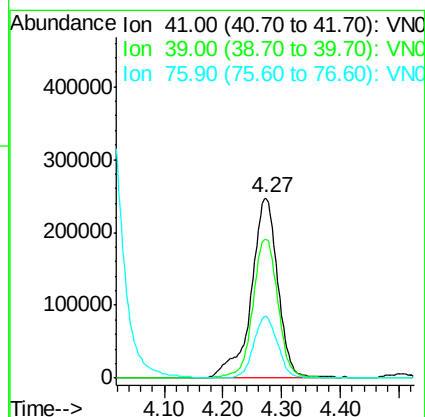
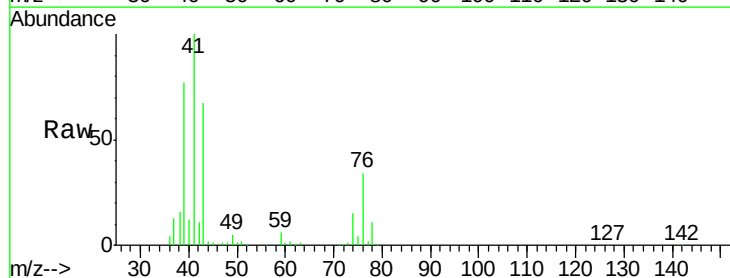
Tgt Ion: 41 Resp: 778280

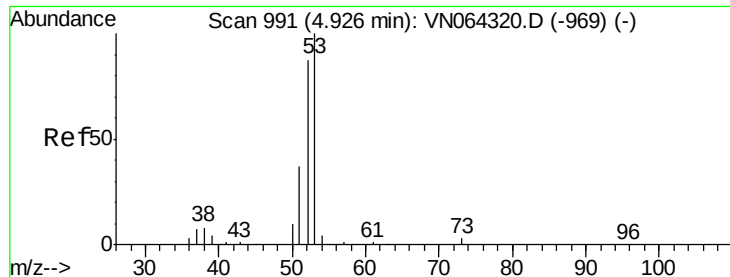
Ion Ratio Lower Upper

41 100

39 72.2 61.7 92.5

76 30.1 24.0 36.0





#15

Acrylonitrile

Concen: 973.942 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1087296

Ion Ratio Lower Upper

53 100

52 82.3 65.9 98.9

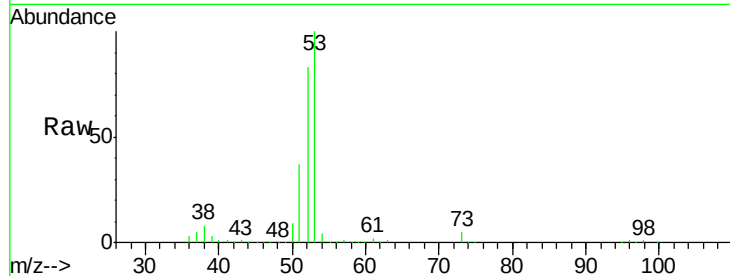
51 37.6 30.4 45.6

Manual Integrations

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Abundance Ion 53.00 (52.70 to 53.70): VN064322.D (-992) (-)

Ion 52.00 (51.70 to 52.70): VN064322.D (-992) (-)

Ion 51.00 (50.70 to 51.70): VN064322.D (-992) (-)

4.93

300000

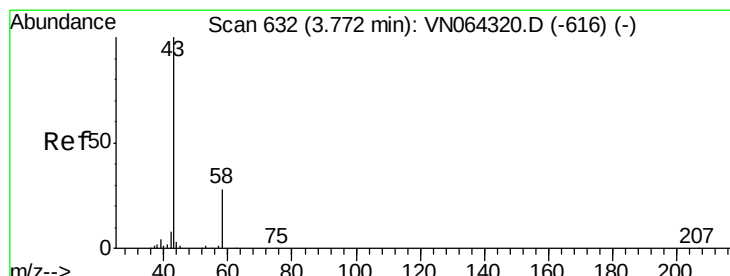
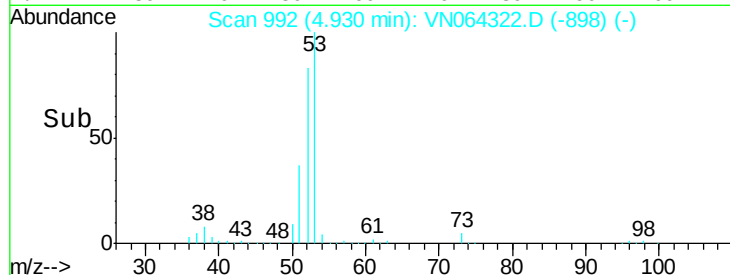
200000

100000

0

4.80 4.90 5.00 5.10

Time-->



#16

Acetone

Concen: 873.604 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064322.D

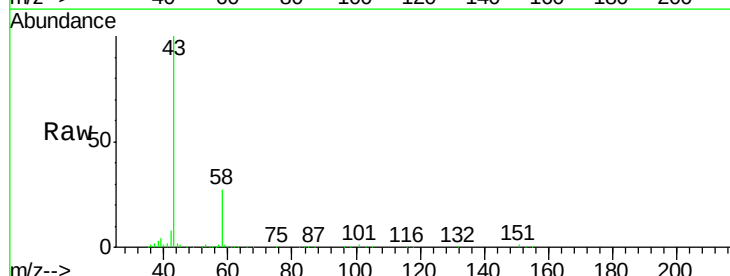
Acq: 27 Oct 2020 12:04

Tgt Ion: 43 Resp: 1016477

Ion Ratio Lower Upper

43 100

58 27.0 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN064322.D (-632) (-)

Ion 58.00 (57.70 to 58.70): VN064322.D (-632) (-)

3.77

400000

300000

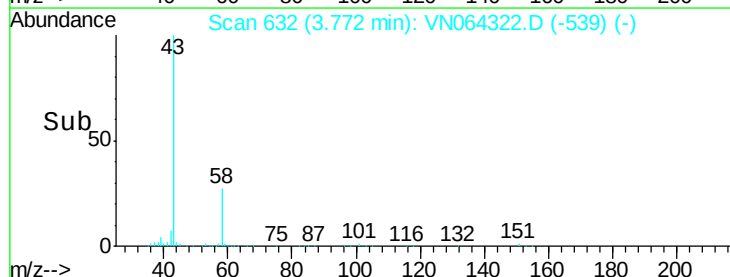
200000

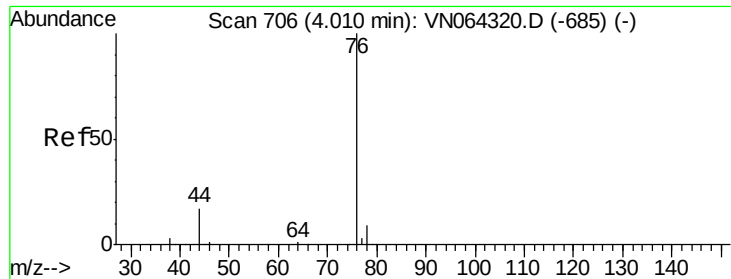
100000

0

3.70 3.80 3.90

Time-->





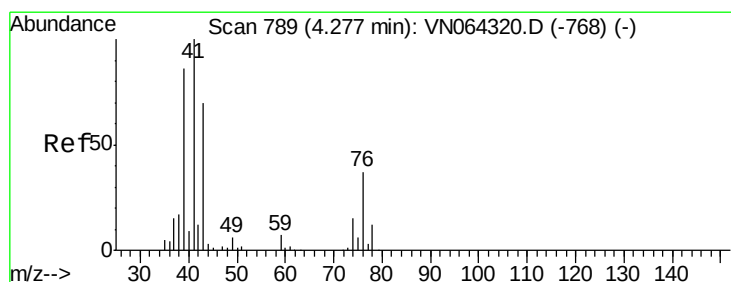
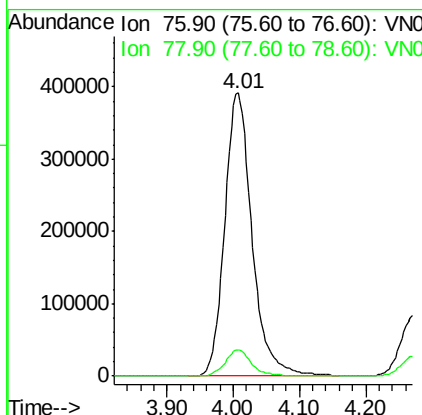
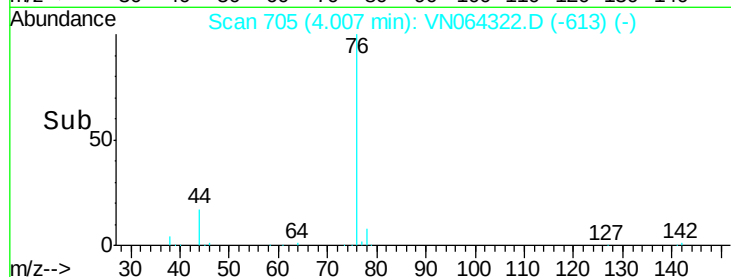
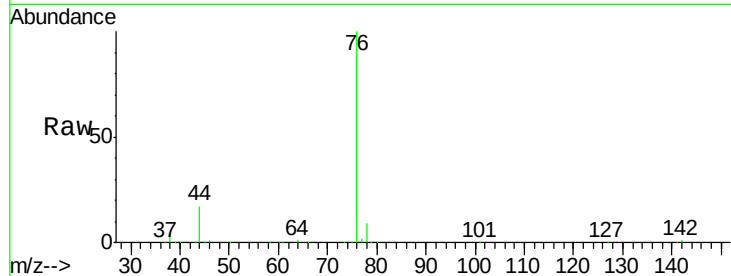
#17
Carbon Disulfide
Concen: 161.294 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1119951
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

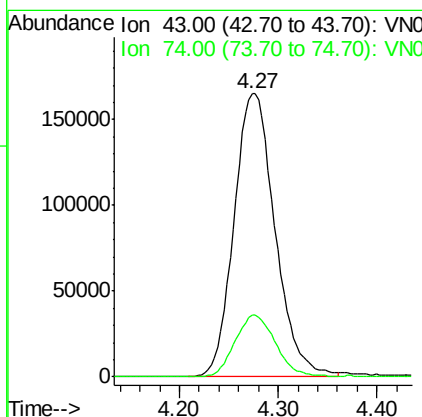
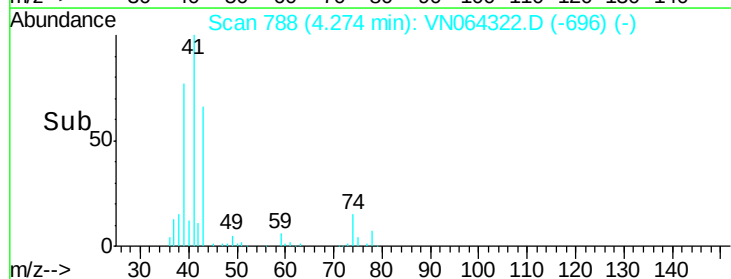
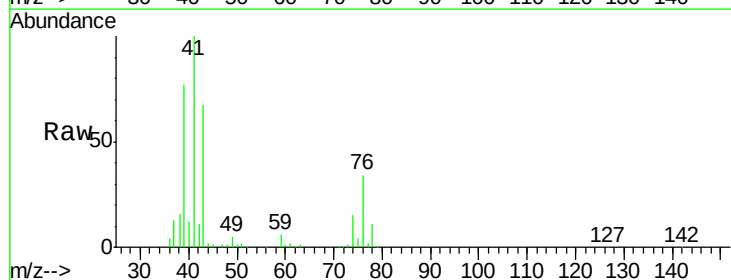
Manual Integrations
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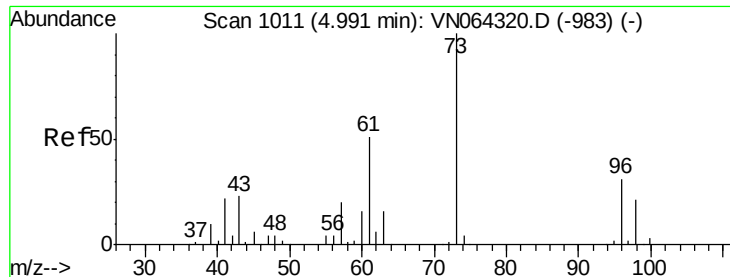
MMDadoda
10/28/2020 12:35:36 PM



#18
Methyl Acetate
Concen: 164.432 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion: 43 Resp: 473065
Ion Ratio Lower Upper
43 100
74 21.8 16.7 25.1





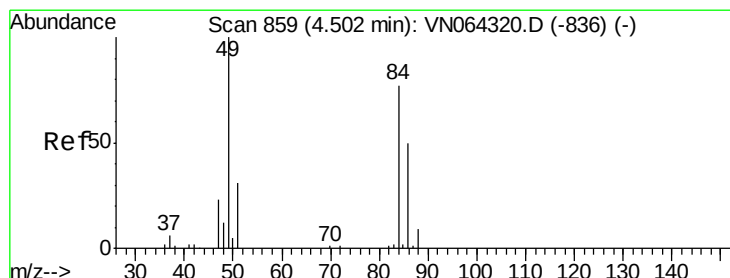
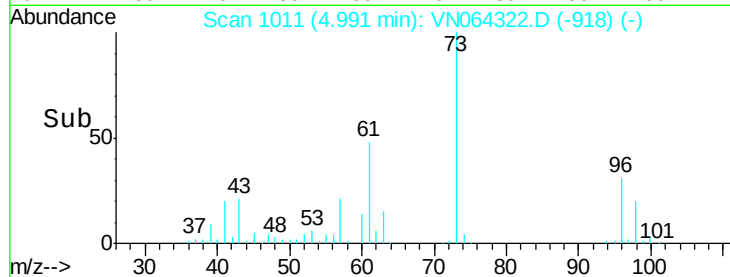
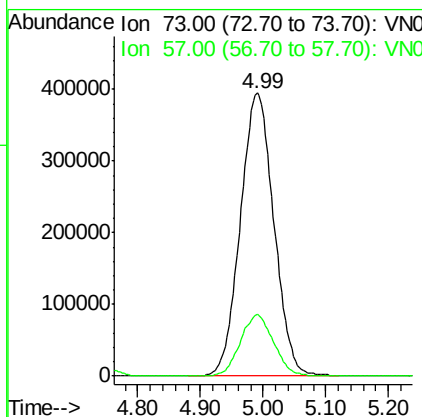
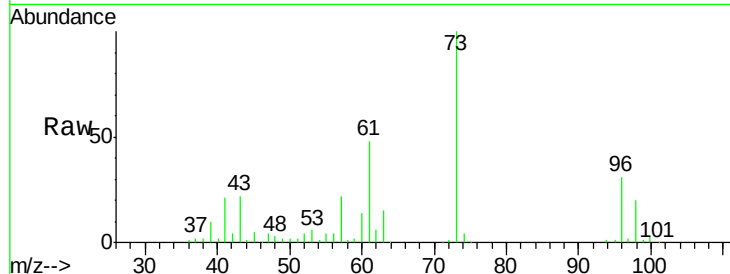
#19
Methyl tert-butyl Ether
Concen: 171.255 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1466536
Ion Ratio Lower Upper
73 100
57 21.7 16.1 24.1

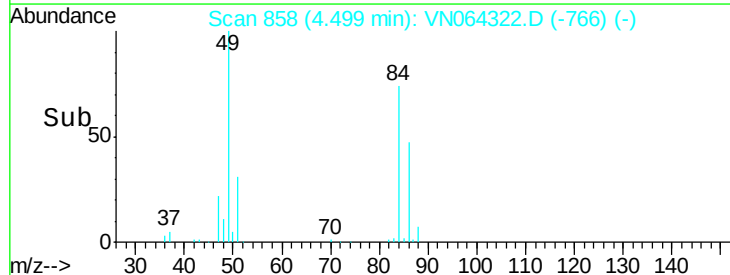
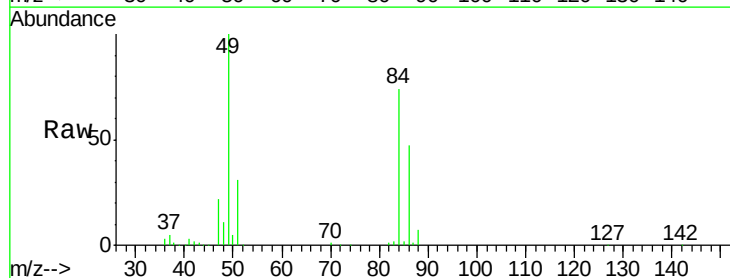
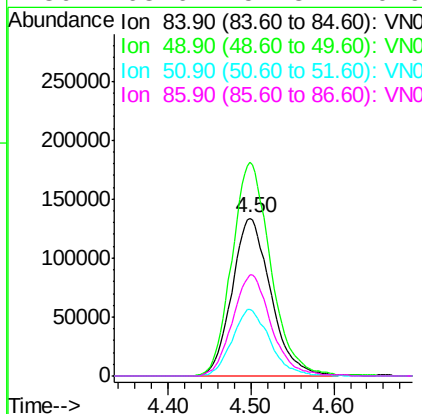
Manual Integrations
APPROVED

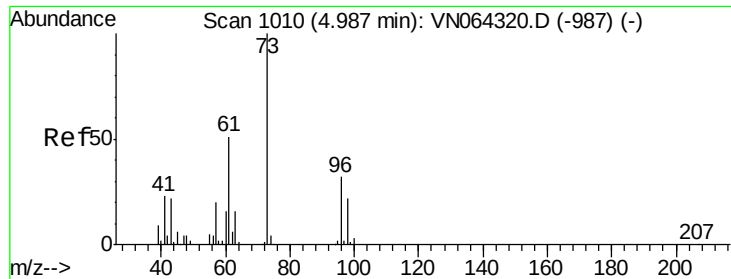
MMDadoda
10/28/2020 12:35:36 PM



#20
Methylene Chloride
Concen: 147.427 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion: 84 Resp: 435685
Ion Ratio Lower Upper
84 100
49 135.2 103.6 155.4
51 42.1 31.8 47.8
86 63.6 51.3 76.9





#21

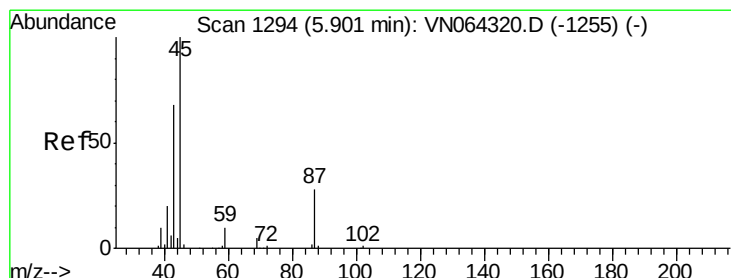
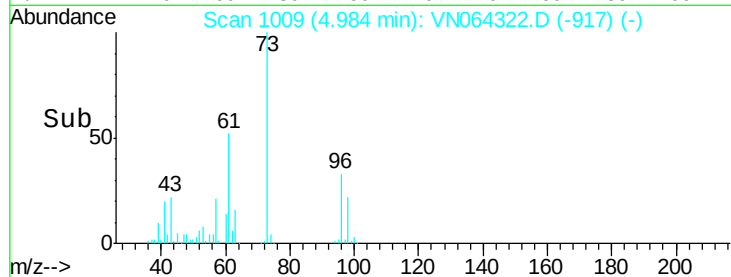
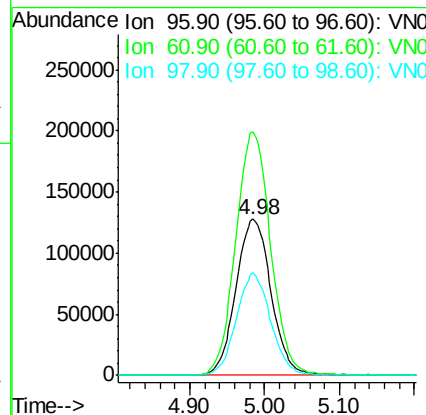
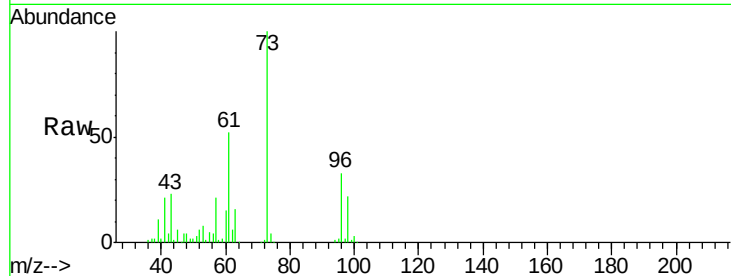
trans-1,2-Dichloroethene
Concen: 155.905 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.5	128.2	192.2
98	65.5	56.1	84.1

Manual Integrations
APPROVED

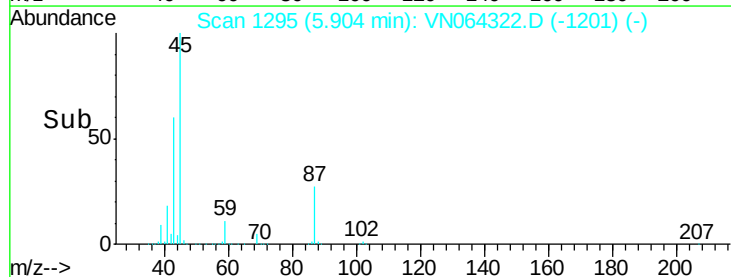
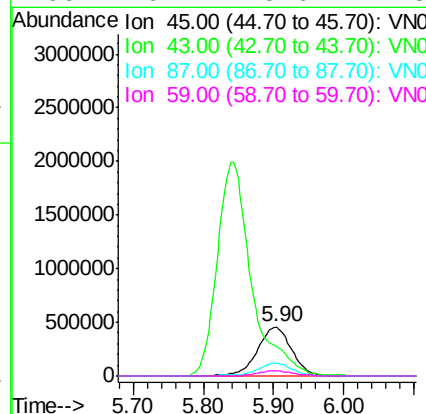
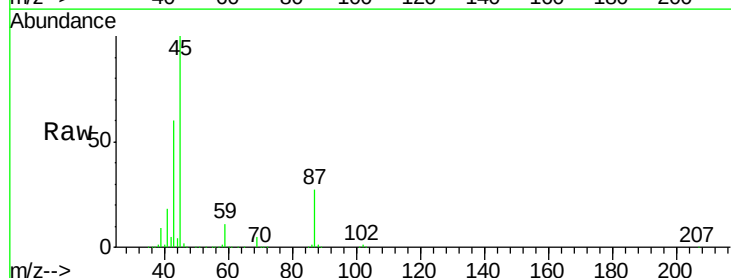
MMDadoda
10/28/2020 12:35:36 PM

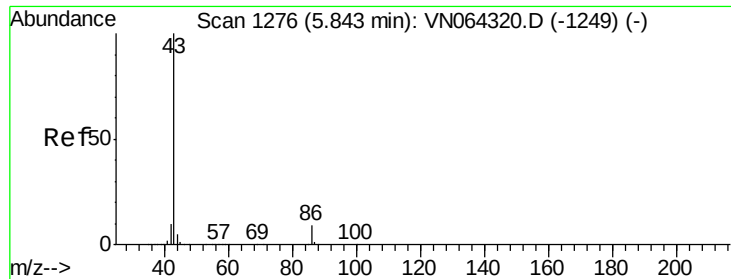


#22

Diisopropyl ether
Concen: 167.689 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.4	54.6	82.0
87	26.5	22.6	33.8
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 829.308 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 6775432

Ion Ratio Lower Upper

43 100

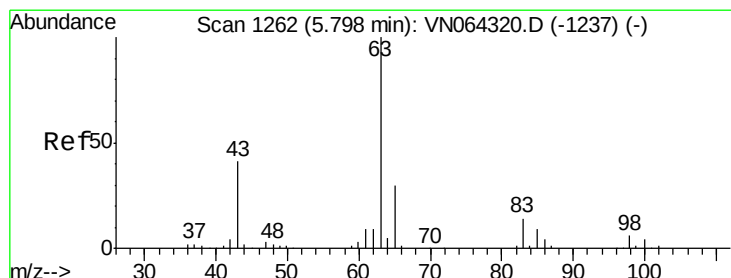
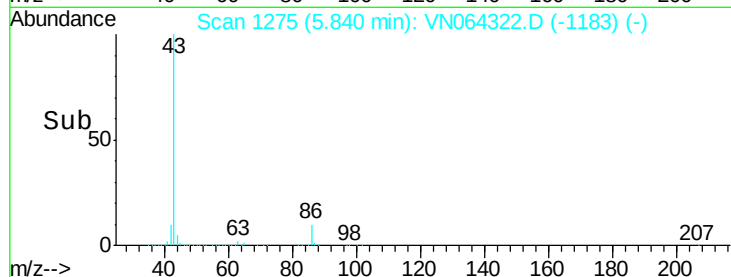
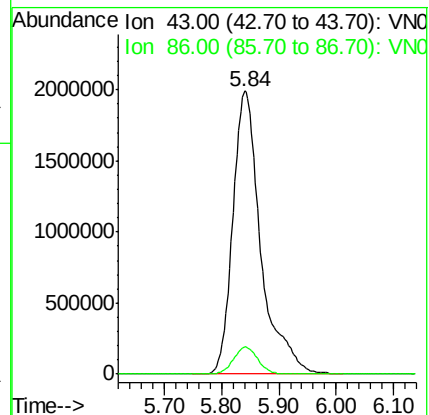
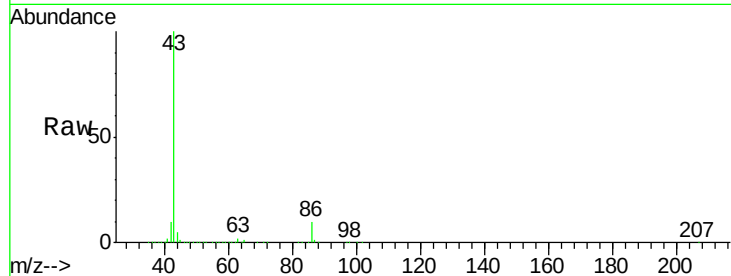
86 9.5 7.3 10.9

Manual Integrations

APPROVED

MMDadoda

10/28/2020 12:35:36 PM



#24

1,1-Dichloroethane

Concen: 158.194 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

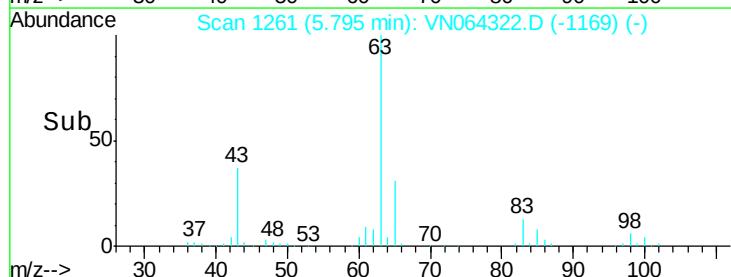
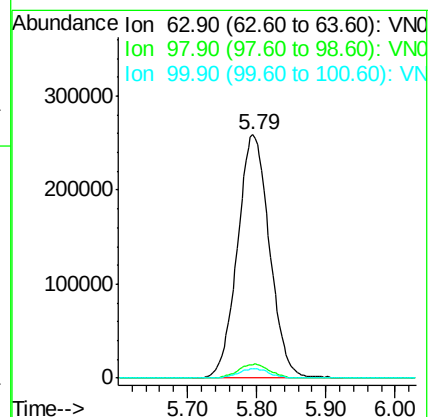
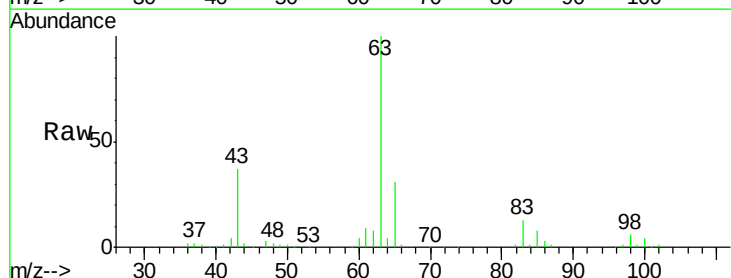
Tgt Ion: 63 Resp: 835268

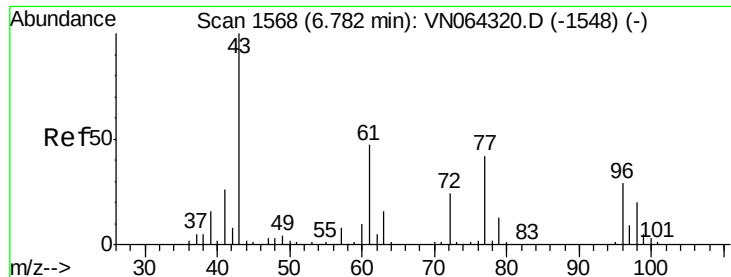
Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.4

100 3.8 2.0 5.8





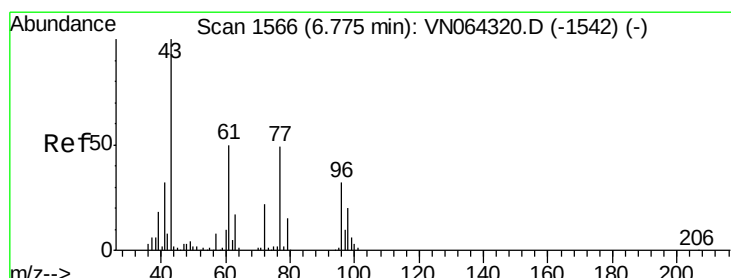
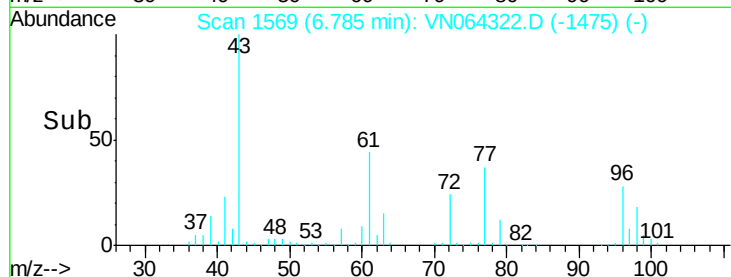
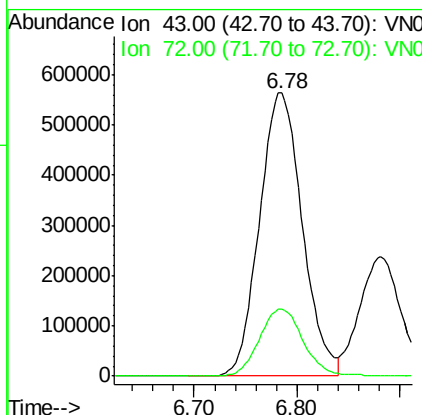
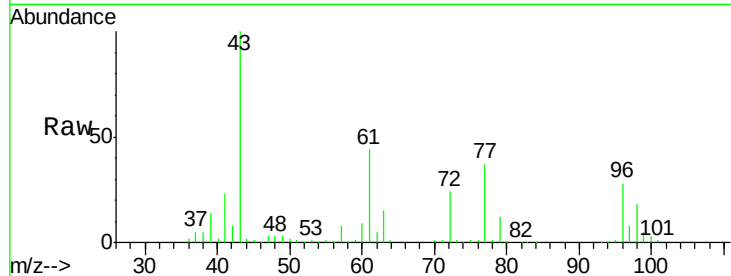
#25
2-Butanone
Concen: 890.914 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1619416
Ion Ratio Lower Upper
43 100
72 23.6 18.8 28.2

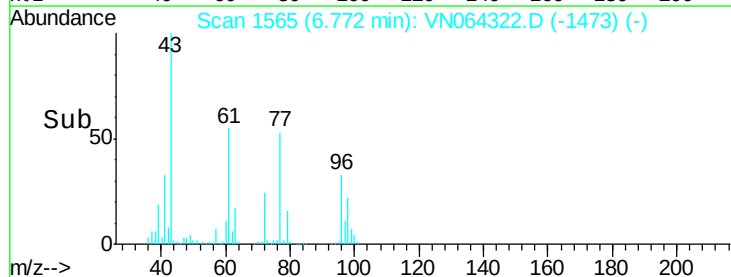
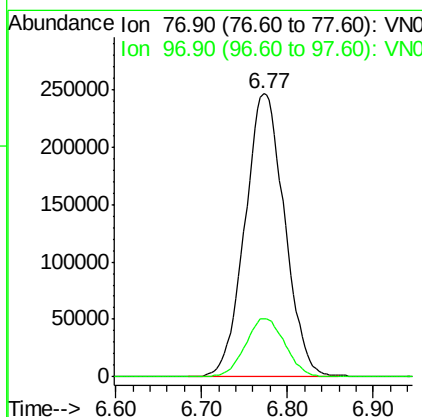
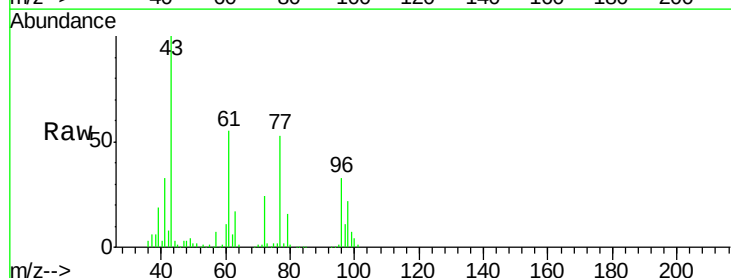
Manual Integrations
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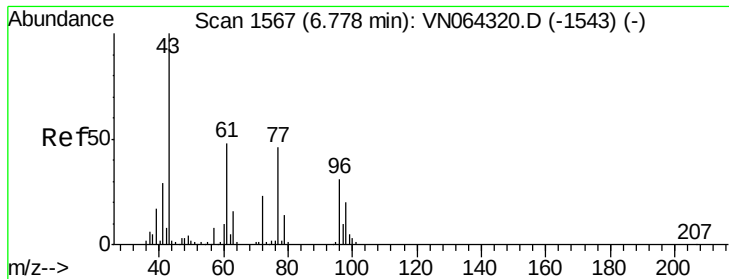
MMDadoda
10/28/2020 12:35:36 PM



#26
2,2-Dichloropropane
Concen: 150.697 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion: 77 Resp: 791306
Ion Ratio Lower Upper
77 100
97 20.7 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 155.464 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

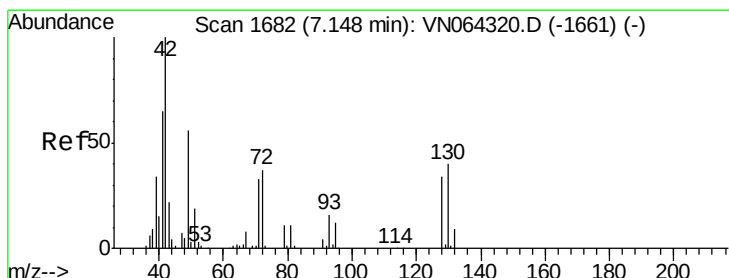
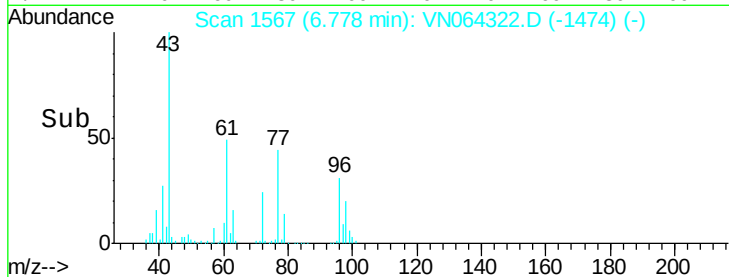
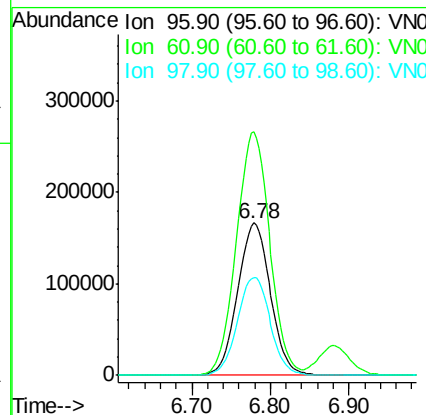
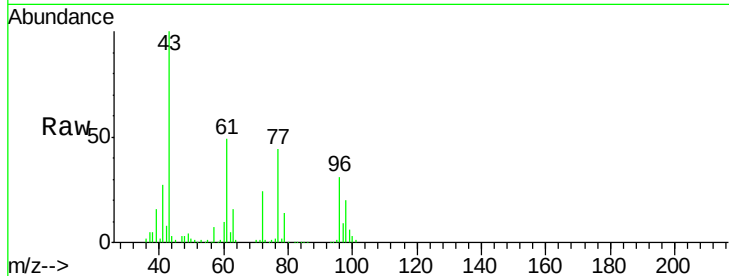
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	488222
Ion Ratio	Lower	Upper	
96	100		
61	161.6	0.0	325.0
98	64.5	0.0	128.4

Manual Integrations
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MMDadoda
10/28/2020 12:35:36 PM



#28

Bromochloromethane

Concen: 168.374 ug/l

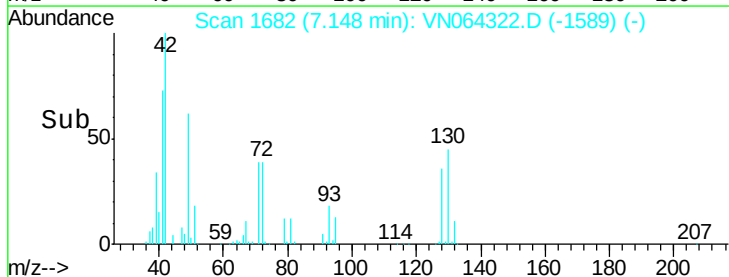
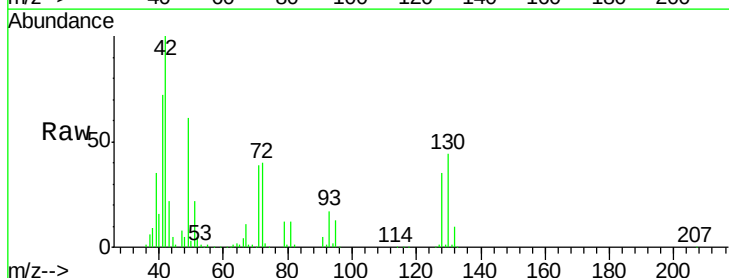
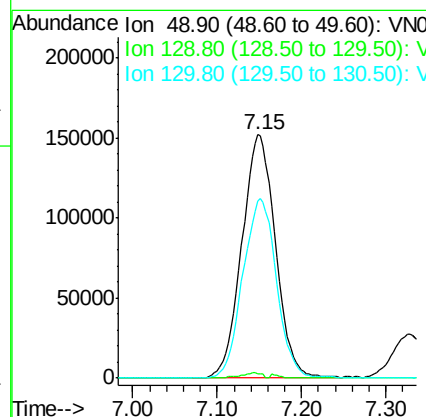
RT: 7.15 min Scan# 1682

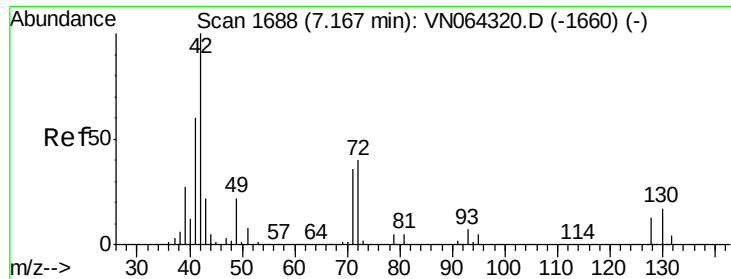
Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tgt Ion:	49	Resp:	422952
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	2.8
130	73.5	56.2	84.2





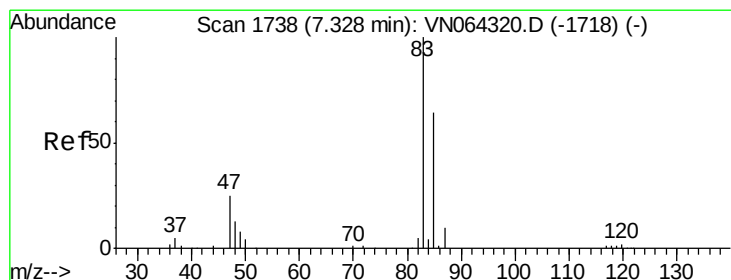
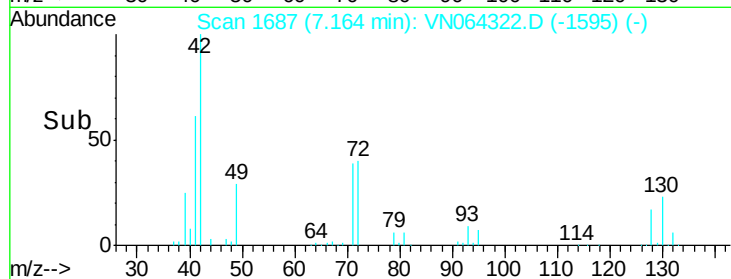
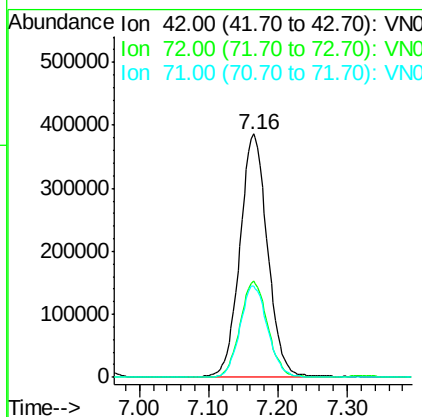
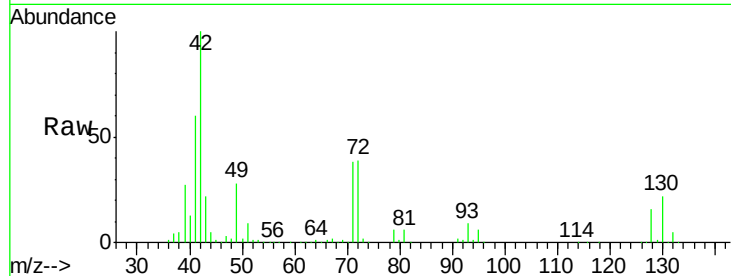
#29
Tetrahydrofuran
Concen: 972.960 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1073044
Ion Ratio Lower Upper
42 100
72 39.3 31.6 47.4
71 37.5 29.4 44.0

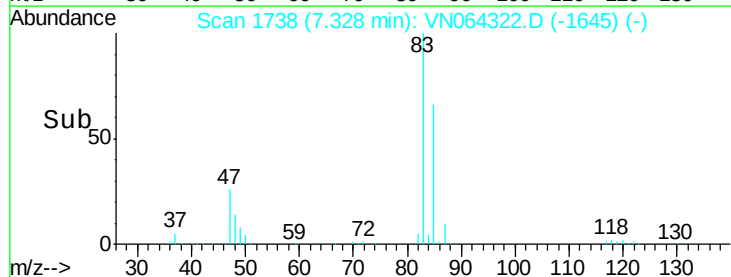
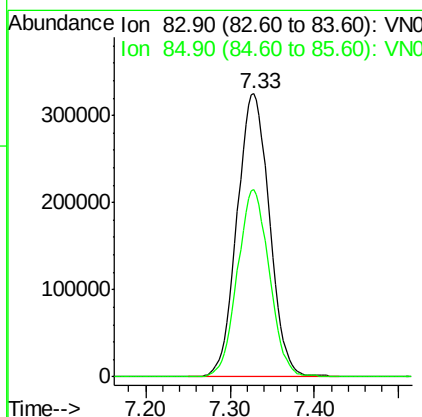
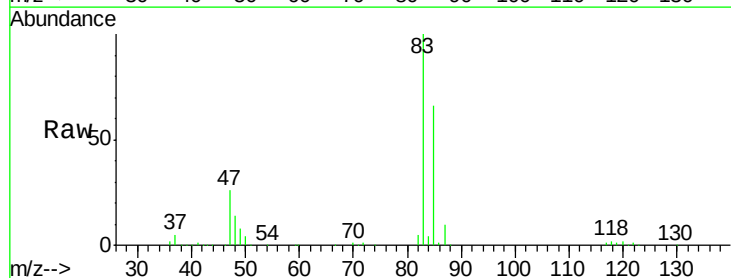
Manual Integrations
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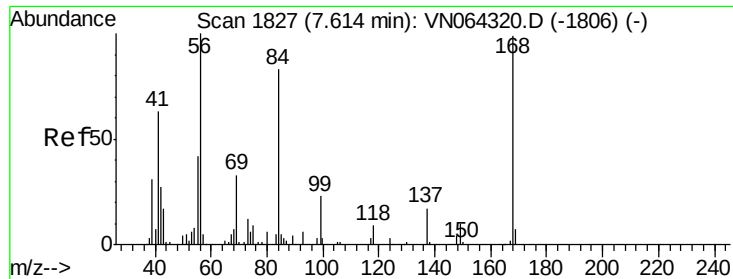
MMDadoda
10/28/2020 12:35:36 PM



#30
Chloroform
Concen: 154.613 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion: 83 Resp: 871689
Ion Ratio Lower Upper
83 100
85 66.1 51.1 76.7





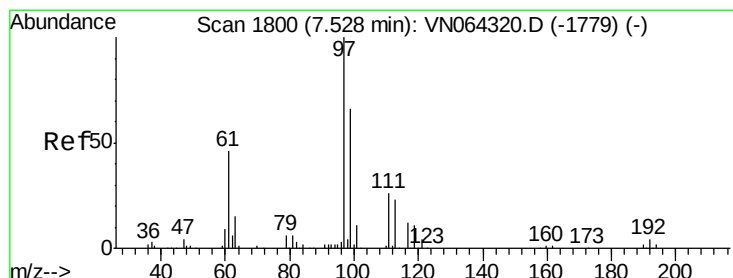
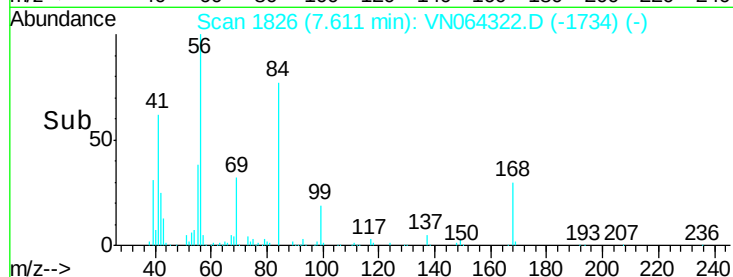
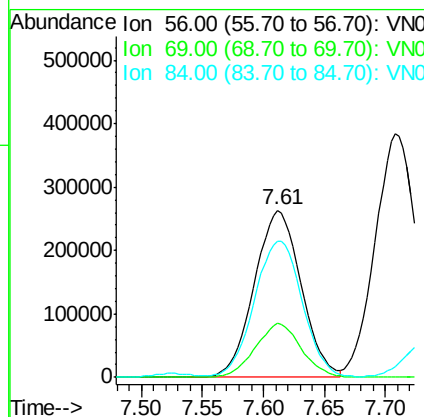
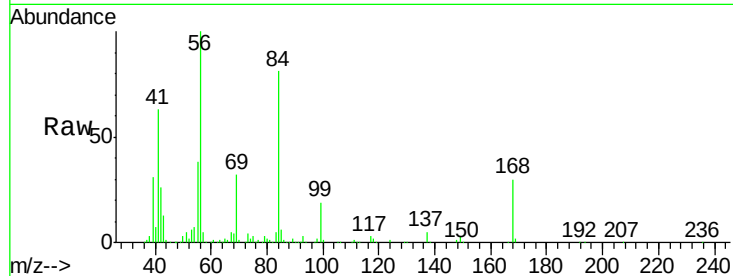
#31
Cyclohexane
Concen: 150.929 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.8	38.8
84	79.6	66.3	99.5

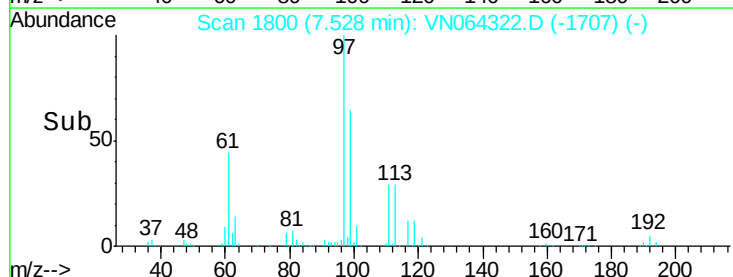
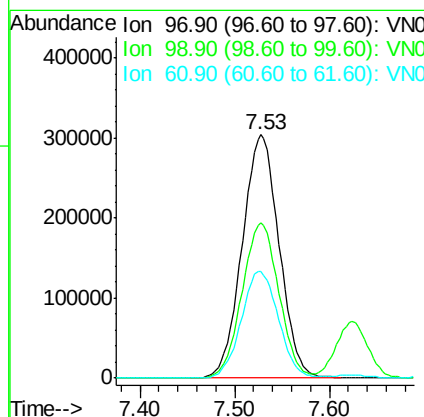
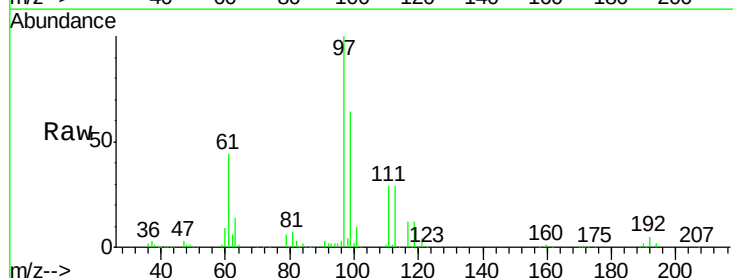
Manual Integrations
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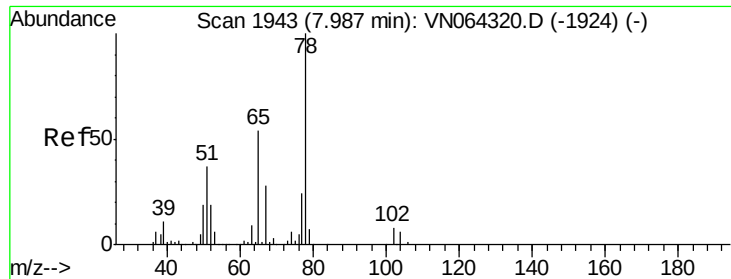
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 156.286 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.6	76.0
61	44.1	35.8	53.6





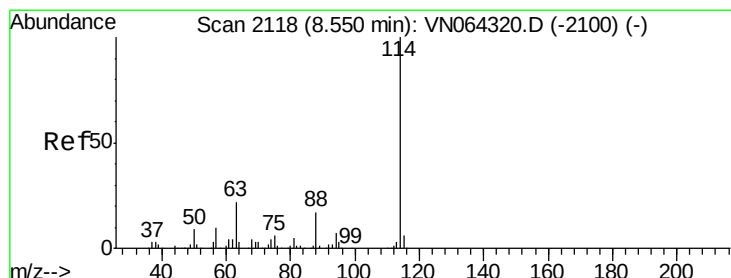
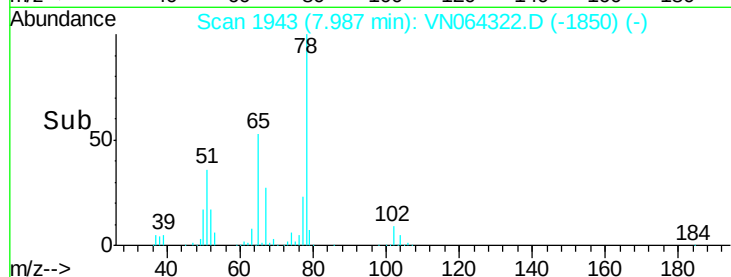
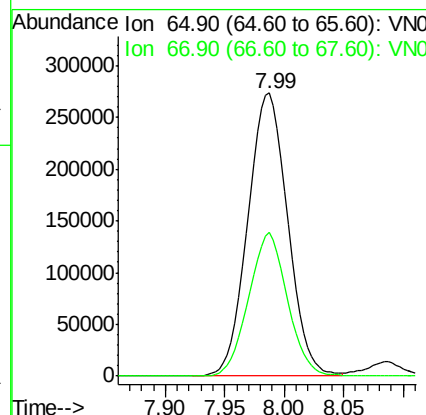
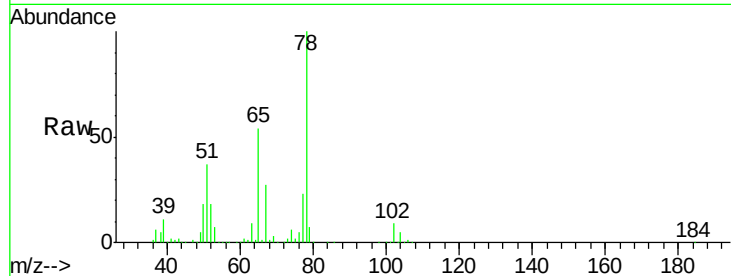
#33
 1,2-Dichloroethane-d4
 Concen: 163.161 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.3	0.0	99.2	

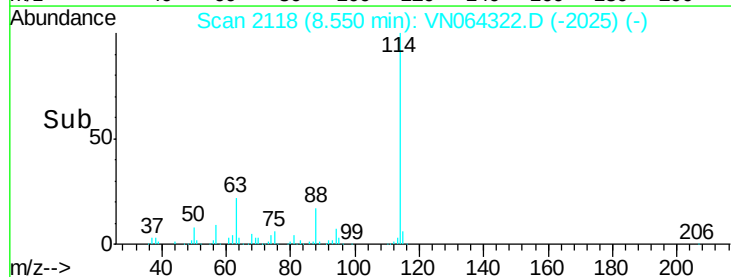
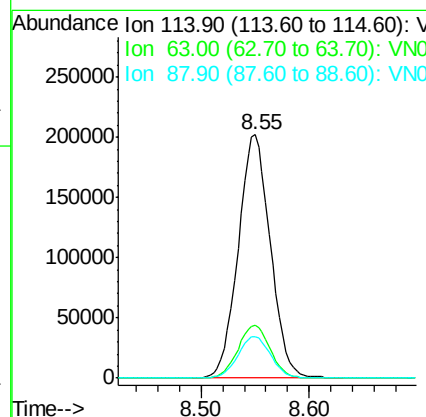
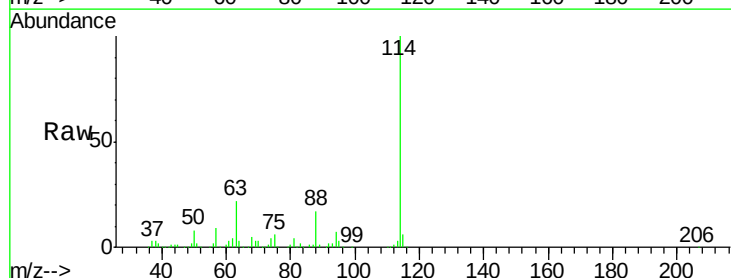
Manual Integrations
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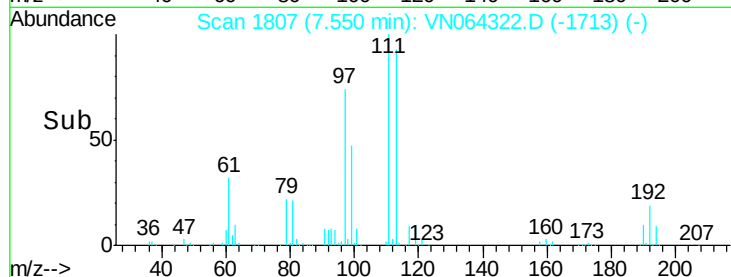
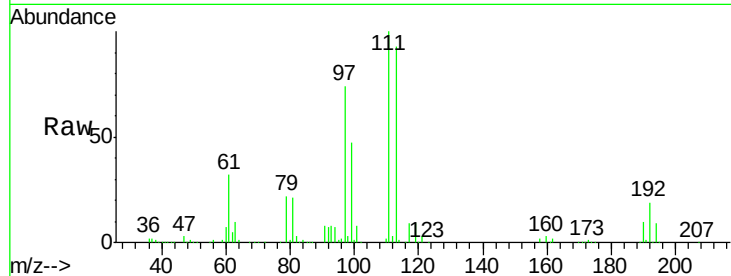
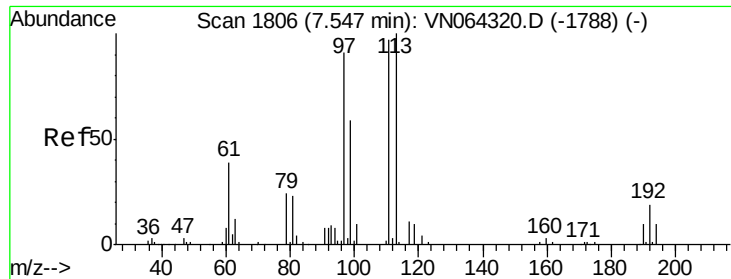
MMDadoda
 10/28/2020 12:35:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	44.6	
88	17.0	0.0	33.4	





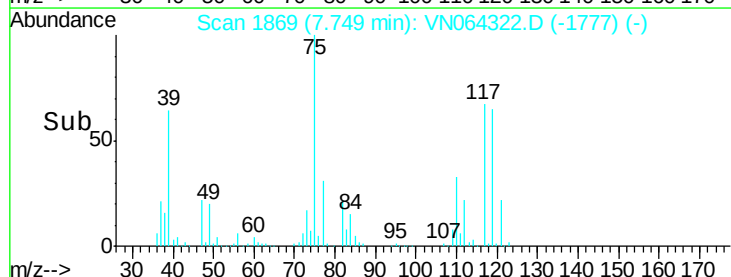
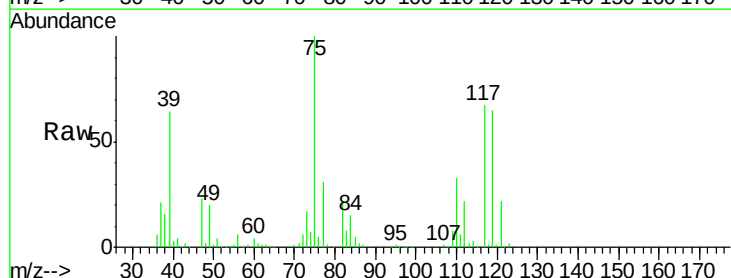
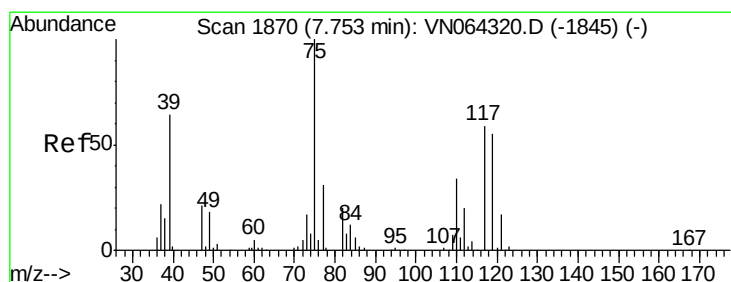
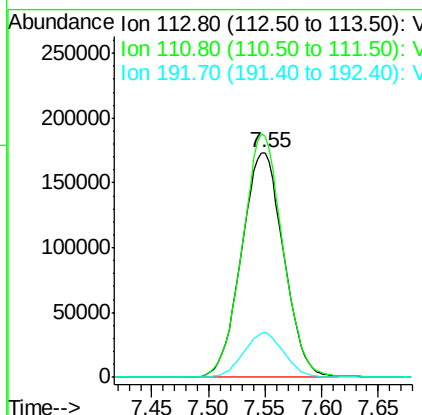
#35
Dibromofluoromethane
Concen: 160.721 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	449829		
111	104.6	81.5	122.3	
192	19.1	15.0	22.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

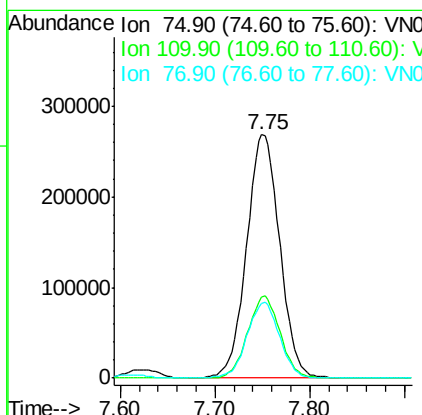
Manual Integrations
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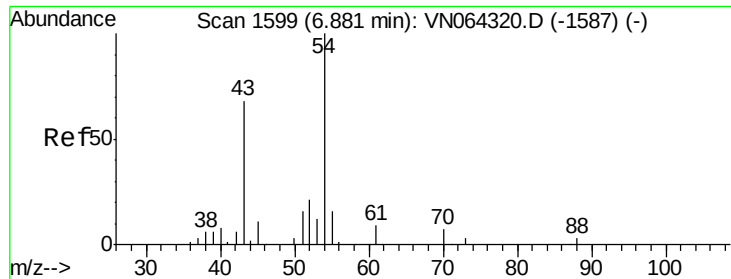
MMDadoda
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#36
1,1-Dichloropropene
Concen: 155.394 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	651156		
110	33.0	16.8	50.3	
77	30.9	24.2	36.4	





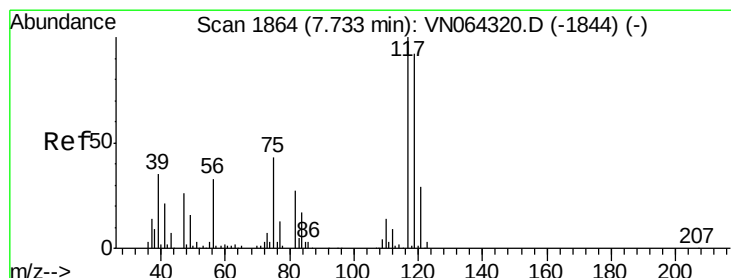
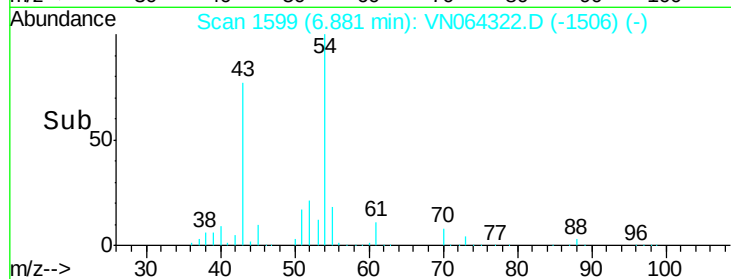
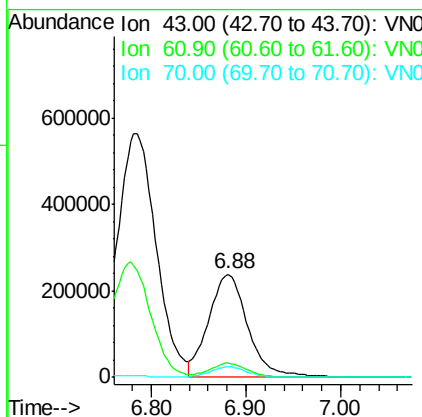
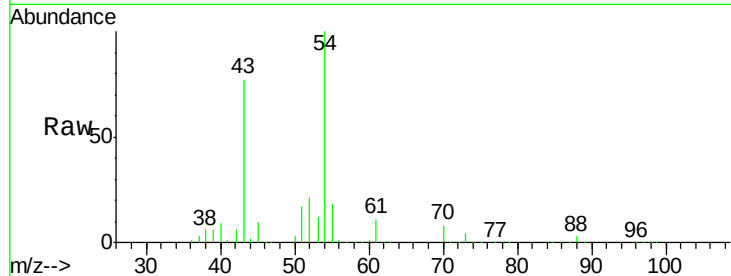
#37
Ethyl Acetate
Concen: 174.258 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	9.5	7.1	10.7

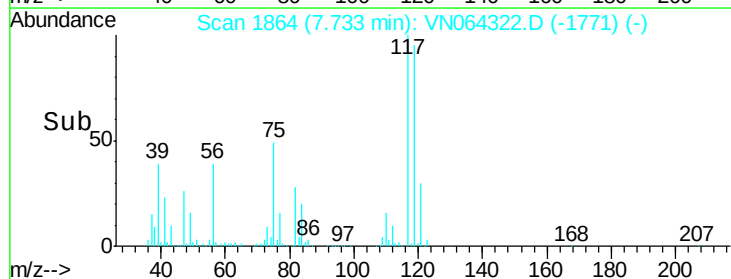
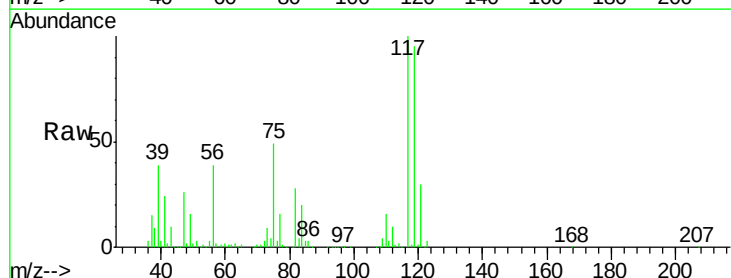
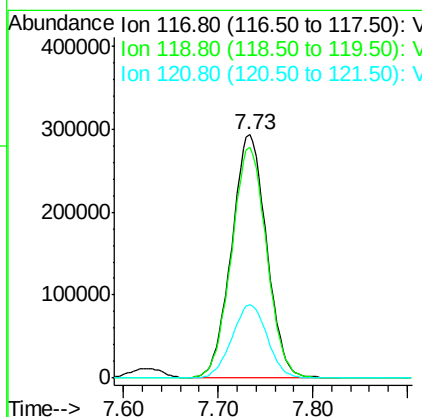
Manual Integrations
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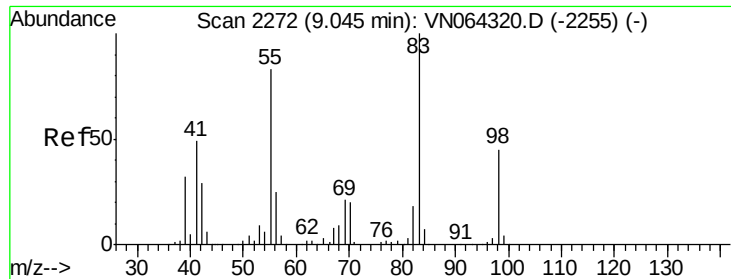
MMDadoda
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#38
Carbon Tetrachloride
Concen: 156.440 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	73.7	110.5
121	30.3	22.8	34.2





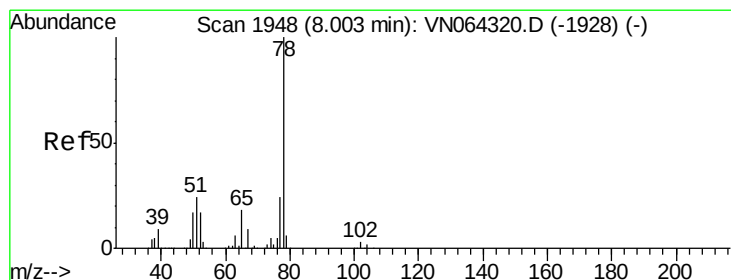
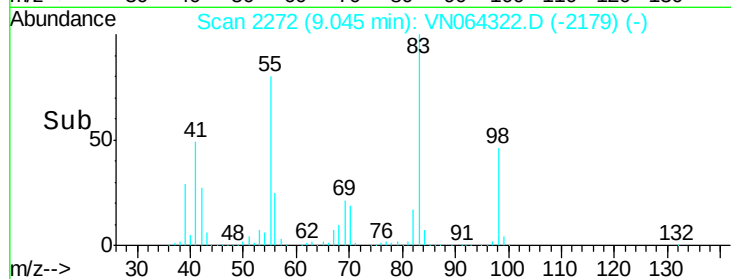
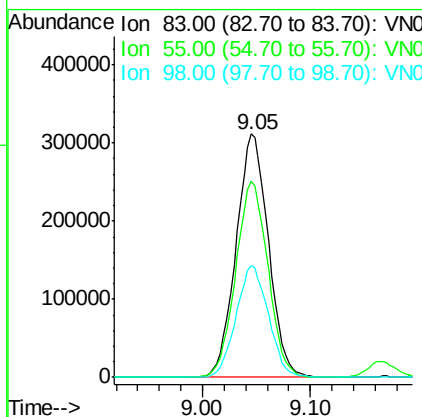
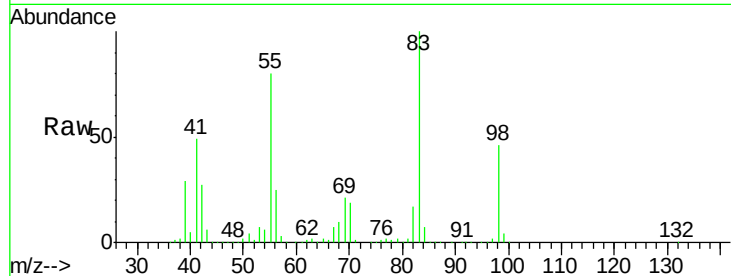
#39
Methylvlcyclohexane
Concen: 168.767 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	66.2	99.4
98	45.9	36.0	54.0

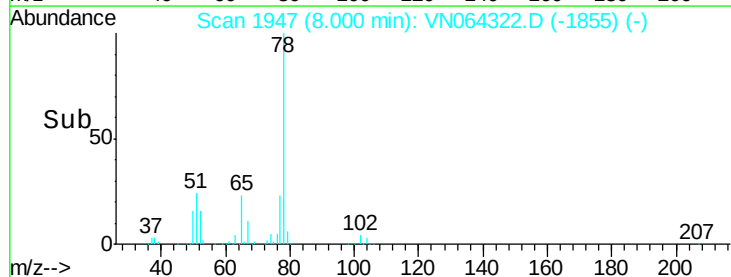
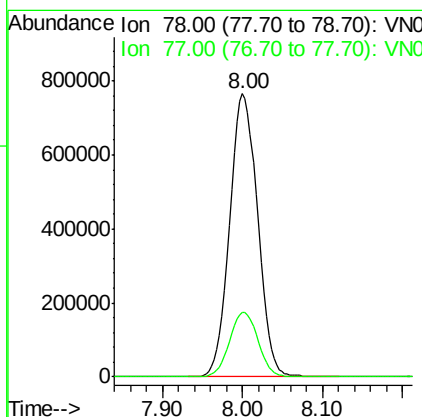
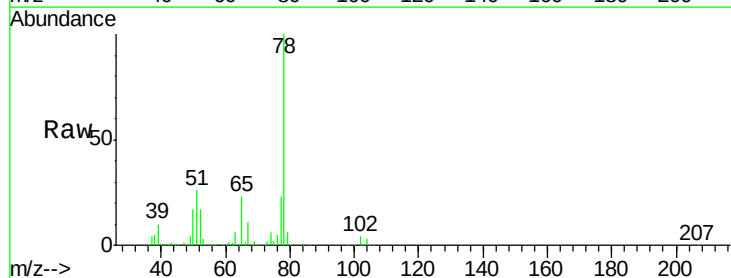
Manual Integrations
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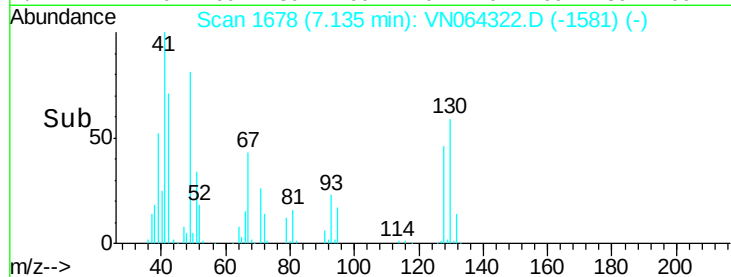
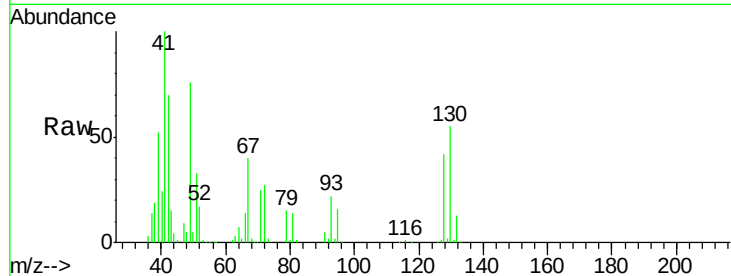
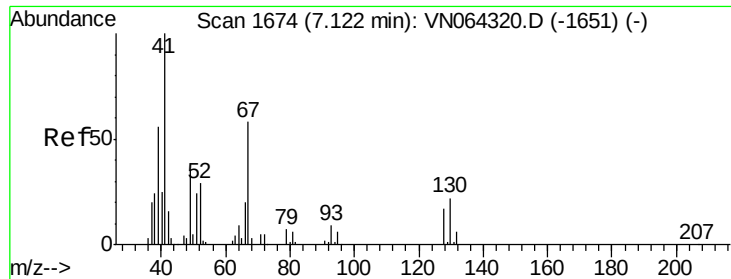
MMDadoda
10/28/2020 12:35:36 PM



#40
Benzene
Concen: 156.730 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 169.496 ug/l m

RT: 7.14 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tot Ion: 41 Resp: 344639

Ion Ratio Lower Upper

41 100

39 0.0 48.6 72.8#

67 0.0 61.4 92.2#

52 0.0 27.6 41.4#

Instrument :

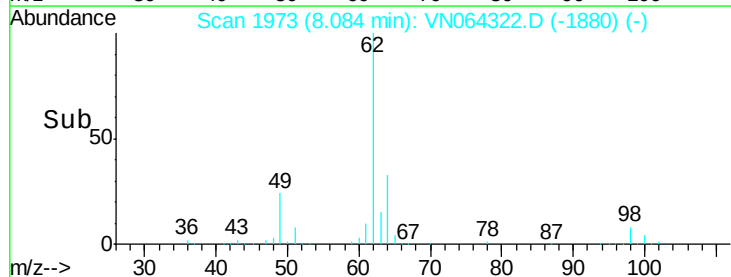
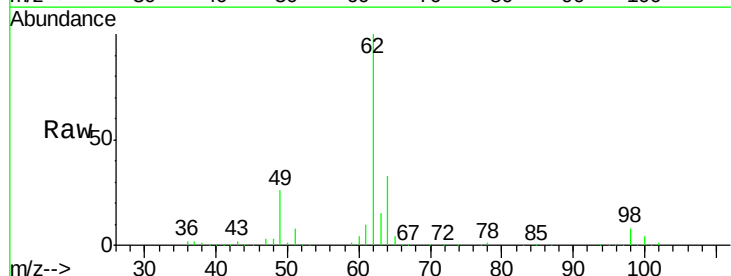
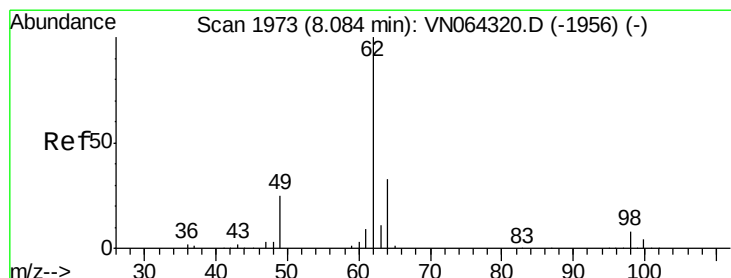
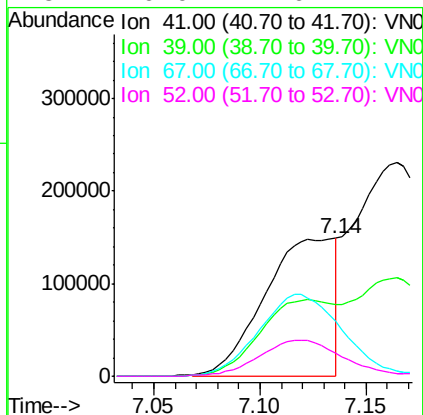
MSVOA_N

ClientSampleId :

VSTDIC150

Manual Integrations
APPROVED

MMDadoda
10/28/2020 12:35:36 PM



#42

1,2-Dichloroethane

Concen: 151.179 ug/l

RT: 8.08 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN064322.D

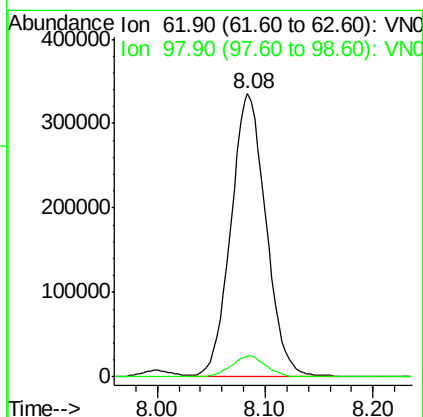
Acq: 27 Oct 2020 12:04

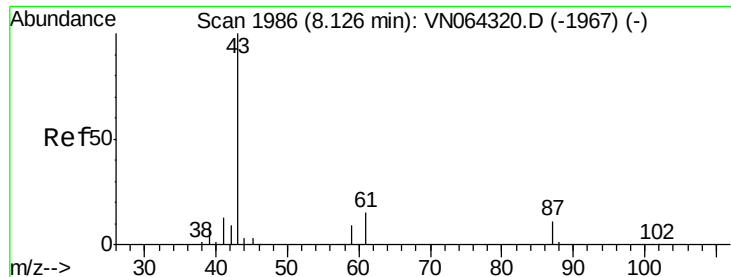
Tgt Ion: 62 Resp: 754748

Ion Ratio Lower Upper

62 100

98 7.5 0.0 14.2





#43

Isopropyl Acetate

Concen: 164.996 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1181009

Ion Ratio Lower Upper

43 100

61 23.7 19.1 28.7

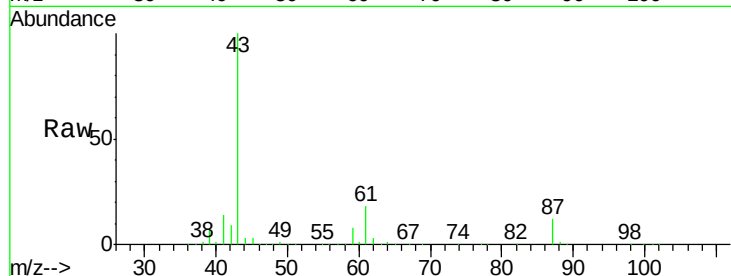
87 12.1 9.3 13.9

Manual Integrations

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MMDadoda

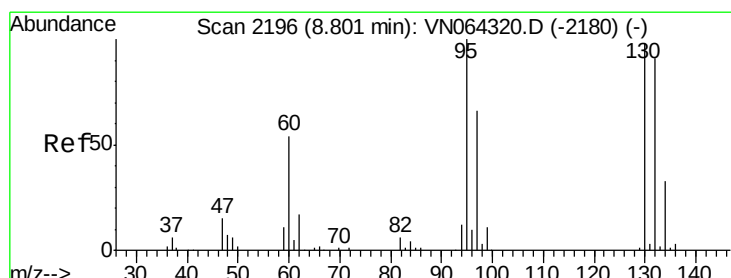
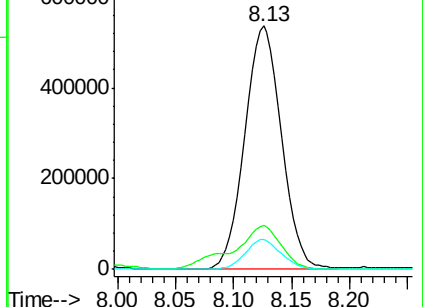
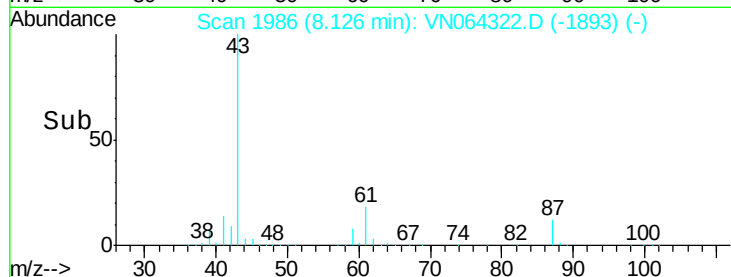
10/28/2020 12:35:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VN064322.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN064322.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN064322.D (-1893) (-)



#44

Trichloroethene

Concen: 155.683 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064322.D

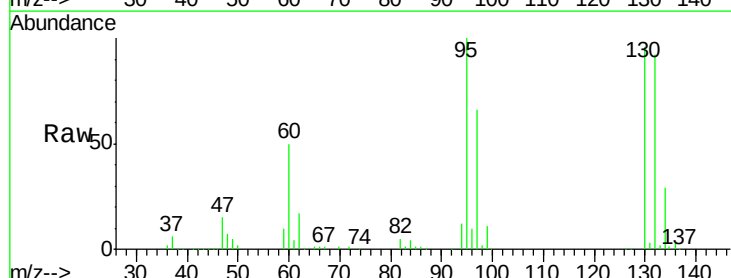
Acq: 27 Oct 2020 12:04

Tgt Ion:130 Resp: 491668

Ion Ratio Lower Upper

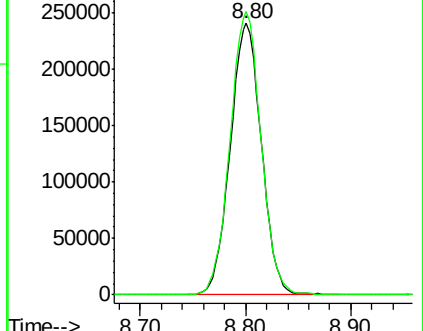
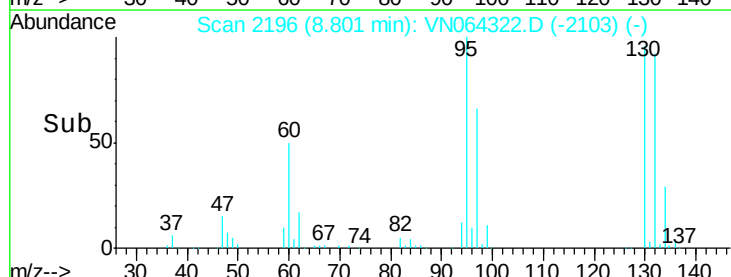
130 100

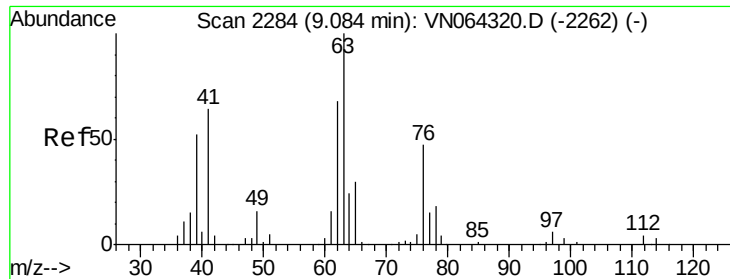
95 104.1 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN064322.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064322.D (-2103) (-)





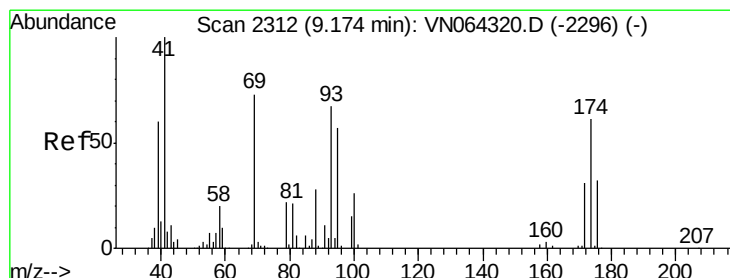
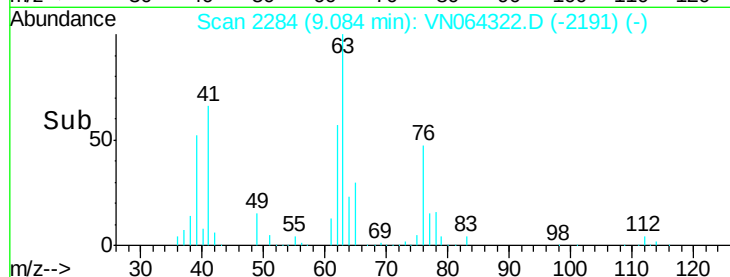
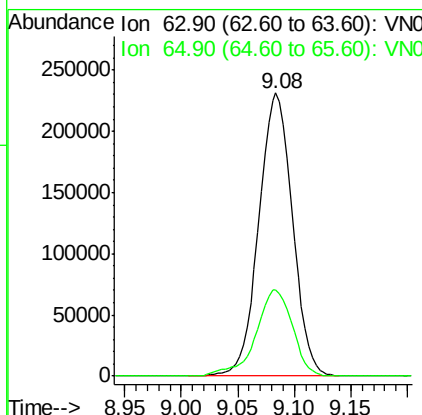
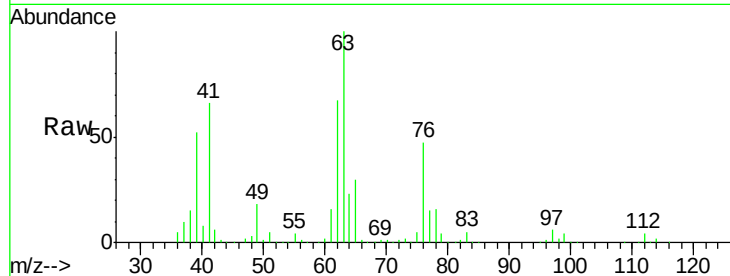
#45
 1,2-Dichloropropane
 Concen: 155.072 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.3	36.5

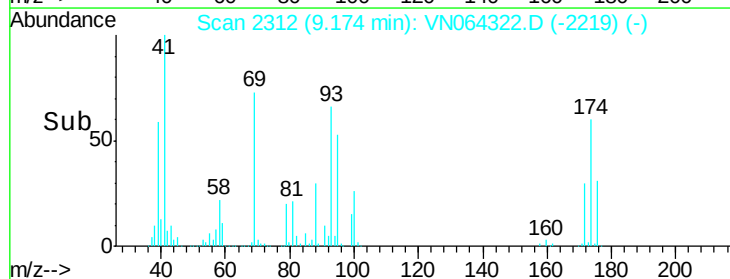
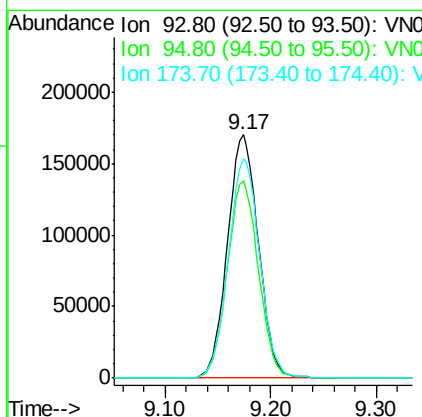
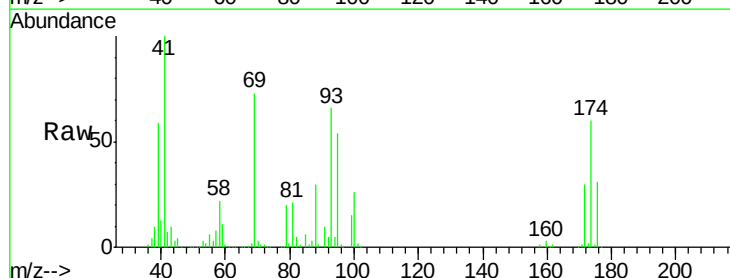
Manual Integrations
 APPROVED

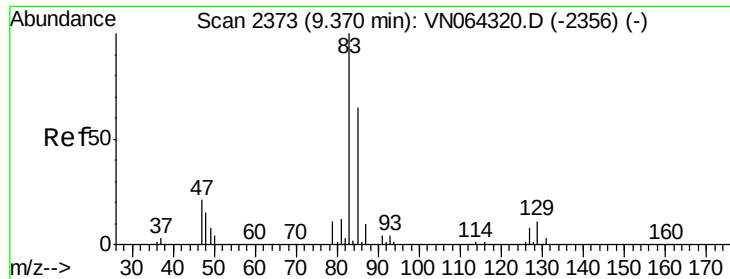
MMDadoda
 10/28/2020 12:35:36 PM



#46
 Dibromomethane
 Concen: 165.888 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	64.4	96.6
174	91.2	71.4	107.0





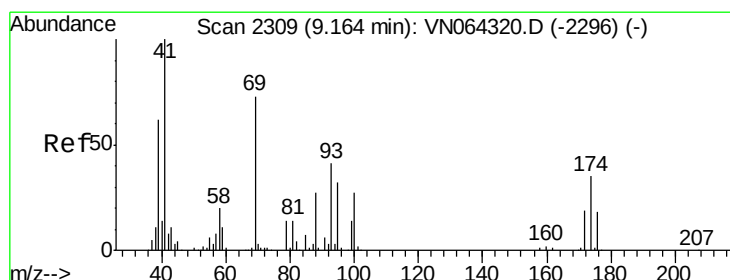
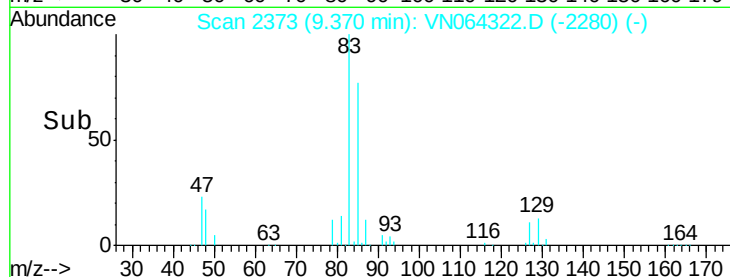
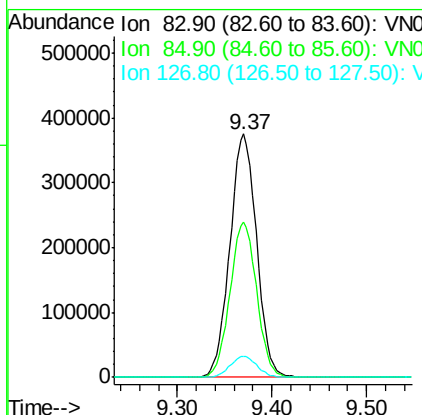
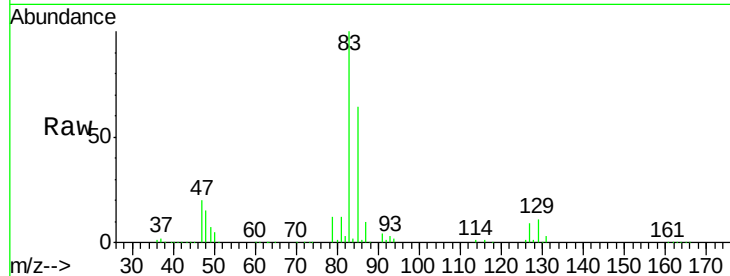
#47
Bromodichloromethane
Concen: 160.305 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	736774
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	52.1	78.1
127	8.8	6.7	10.1

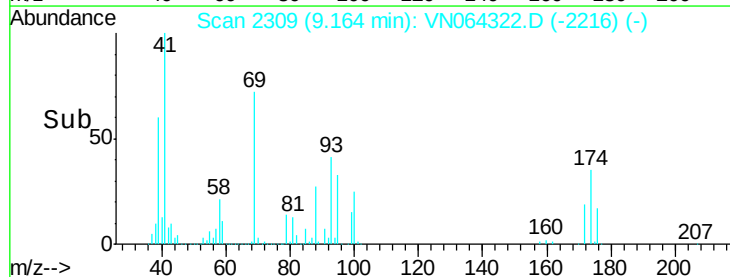
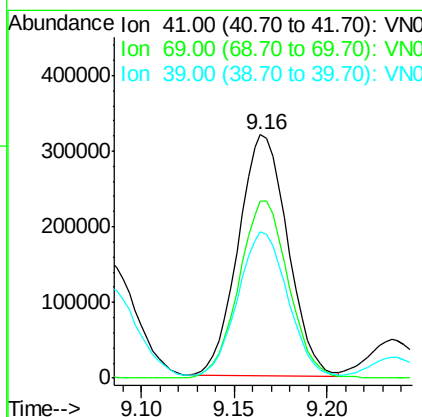
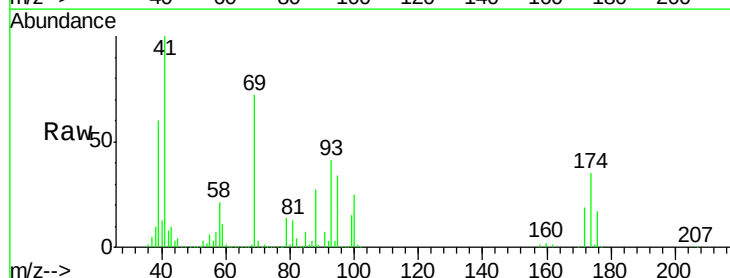
Manual Integrations
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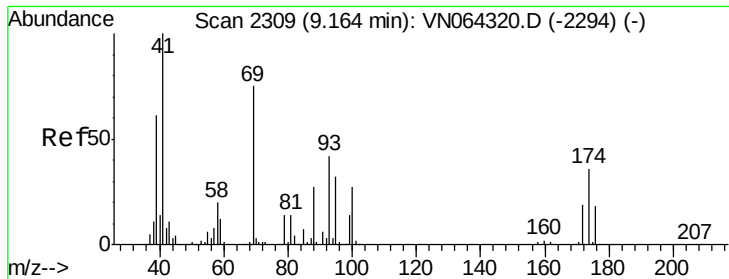
MMDadoda
10/28/2020 12:35:36 PM



#48
Methyl methacrylate
Concen: 159.075 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	41	Resp	591517
Ion Ratio	100	Lower	Upper
41	100		
69	74.1	59.1	88.7
39	61.8	51.3	76.9





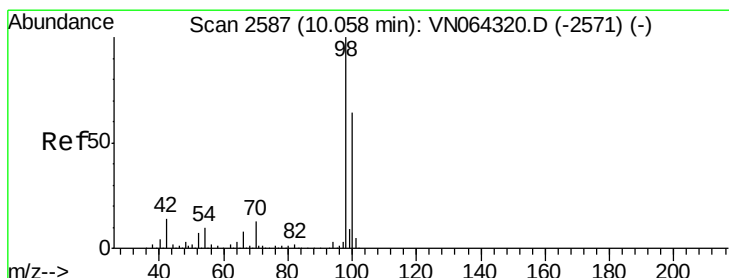
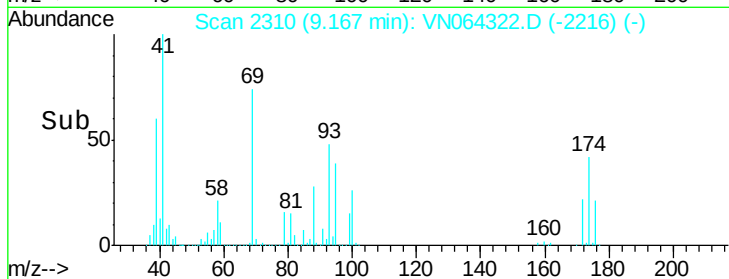
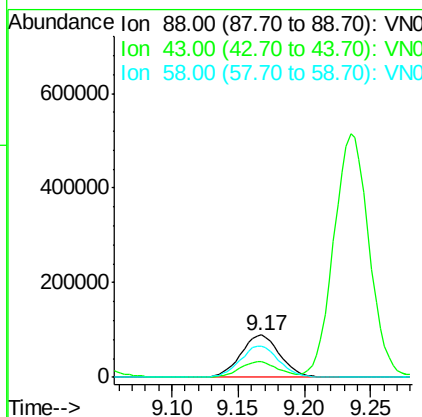
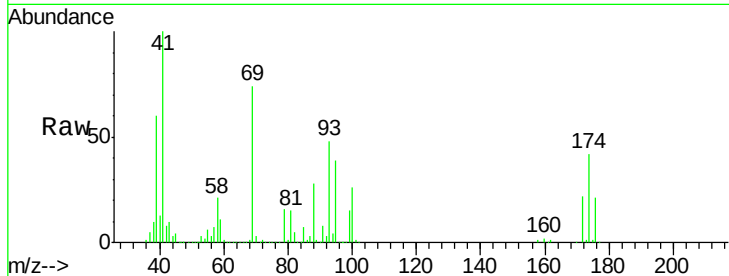
#49
1,4-Dioxane
Concen: 4052.991 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	185167		
43	35.5	31.8	47.8	
58	72.3	60.3	90.5	

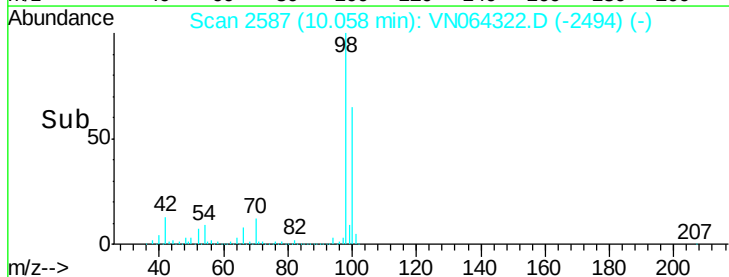
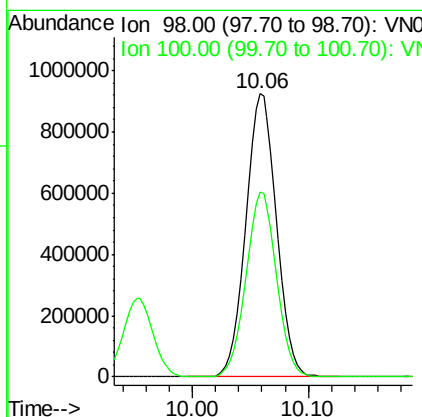
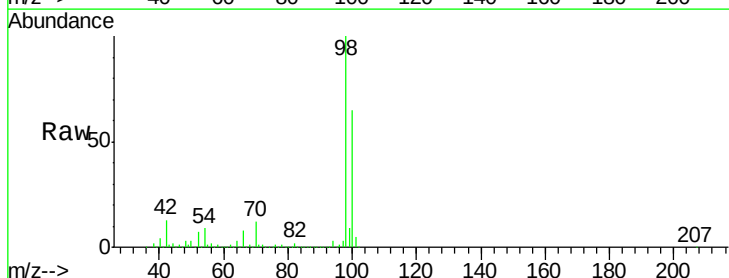
Manual Integrations
APPROVED

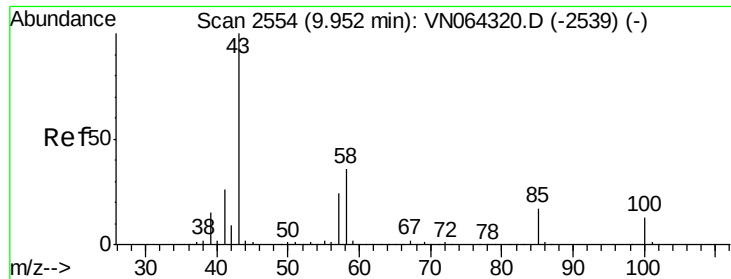
MMDadoda
10/28/2020 12:35:36 PM



#50
Toluene-d8
Concen: 168.711 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1699230		
100	64.6	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 882.895 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3417253

Ion Ratio Lower Upper

43 100

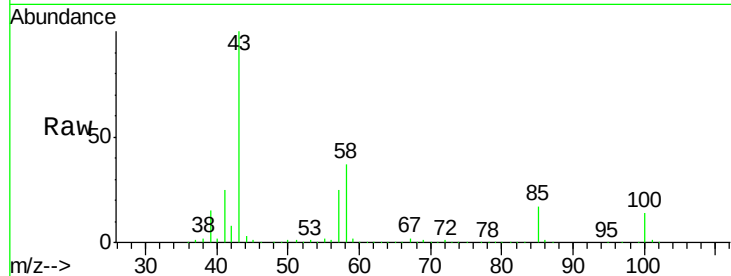
58 36.5 28.6 42.8

Manual Integrations

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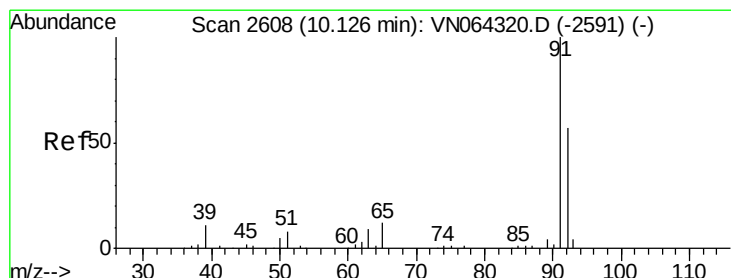
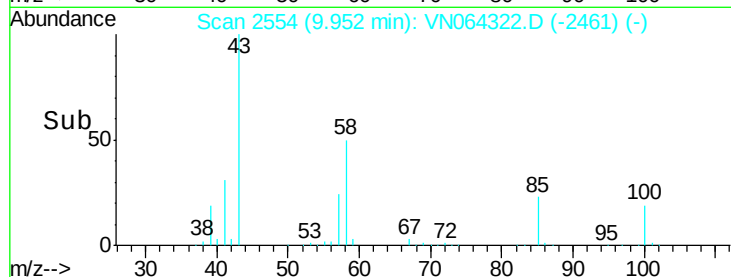
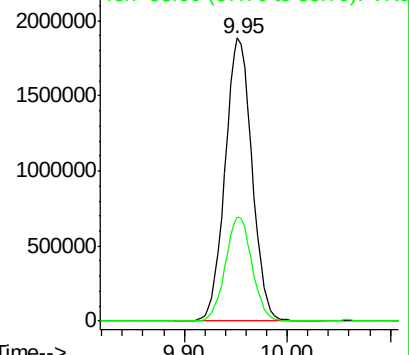
MMDadoda

10/28/2020 12:35:36 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 157.399 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064322.D

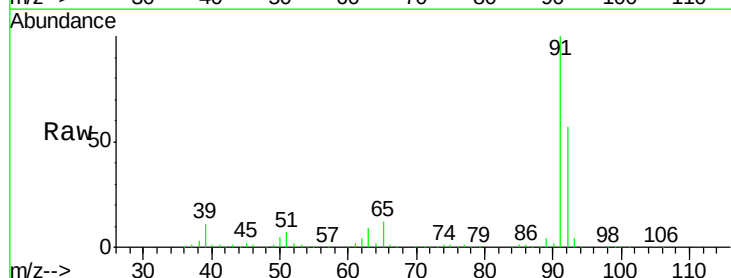
Acq: 27 Oct 2020 12:04

Tgt Ion: 92 Resp: 1162904

Ion Ratio Lower Upper

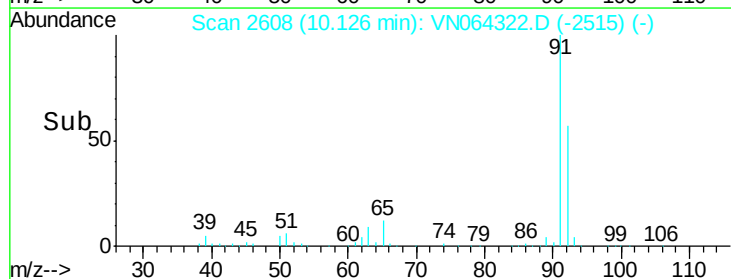
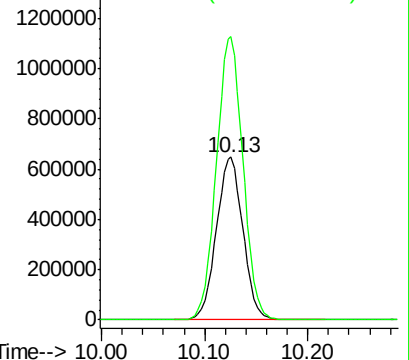
92 100

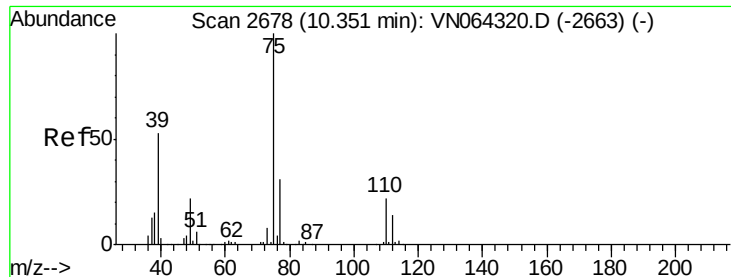
91 174.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





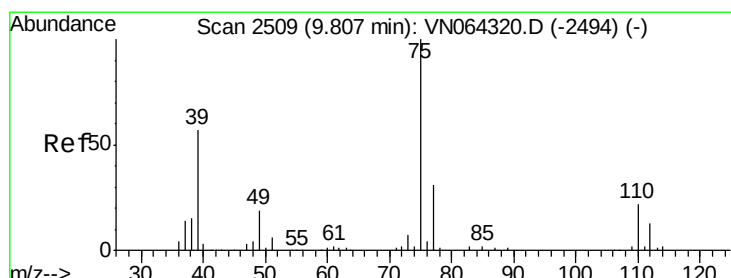
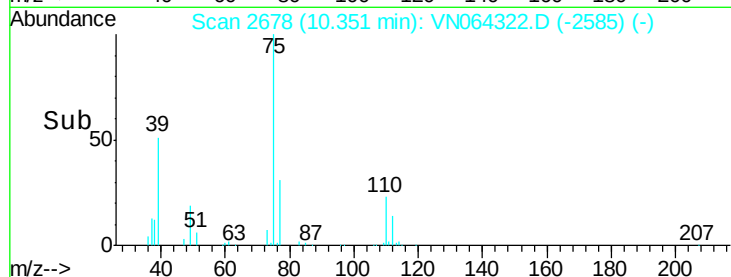
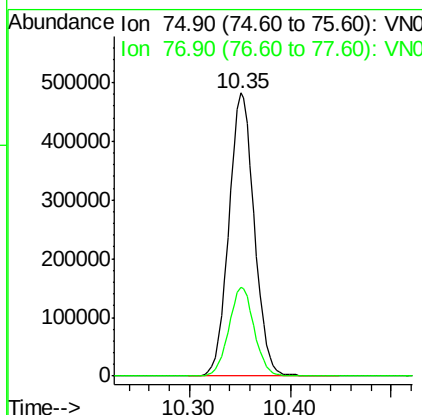
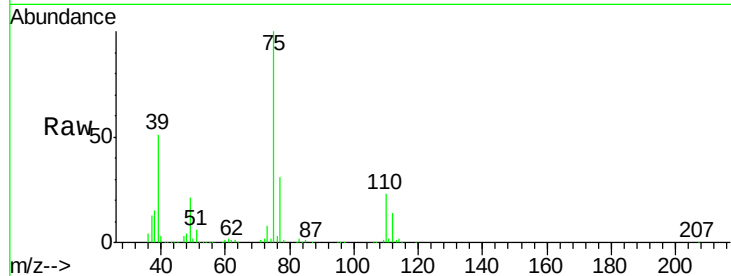
#53
t-1,3-Dichloropropene
Concen: 166.397 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

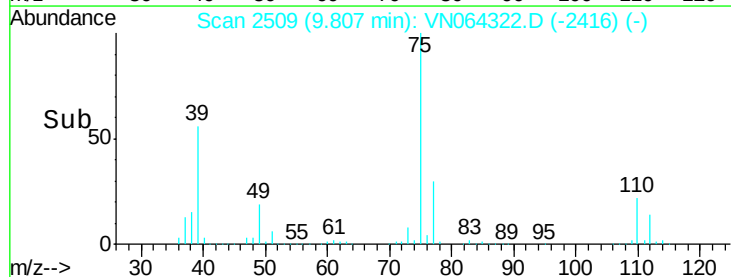
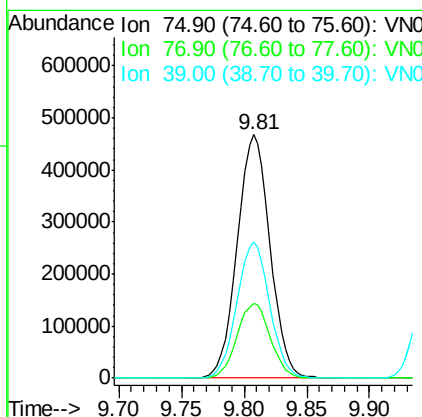
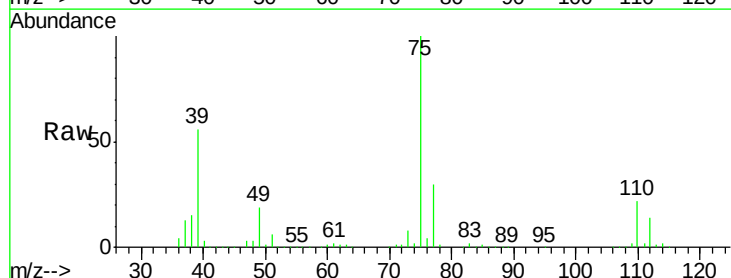
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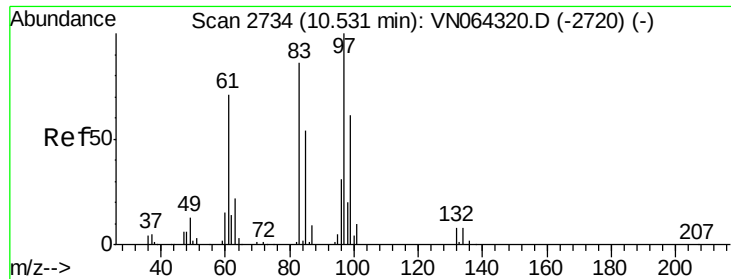
MMDadoda
10/28/2020 12:35:36 PM



#54
cis-1,3-Dichloropropene
Concen: 158.599 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	25.0	37.4
39	56.0	45.5	68.3





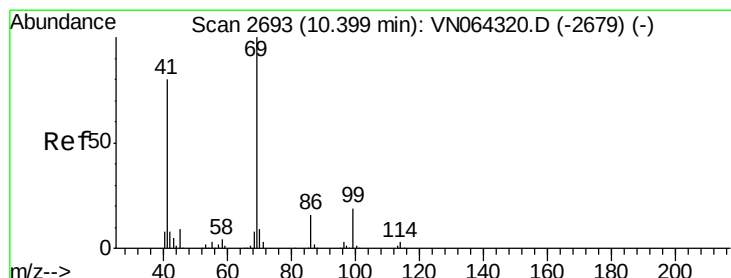
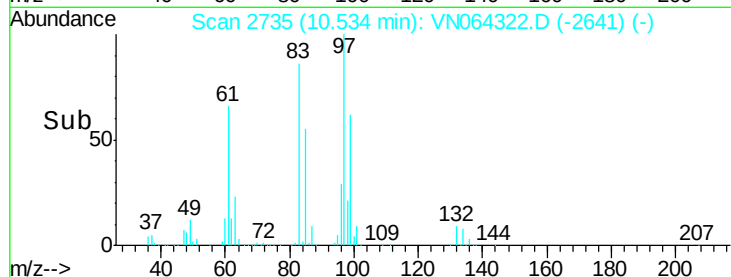
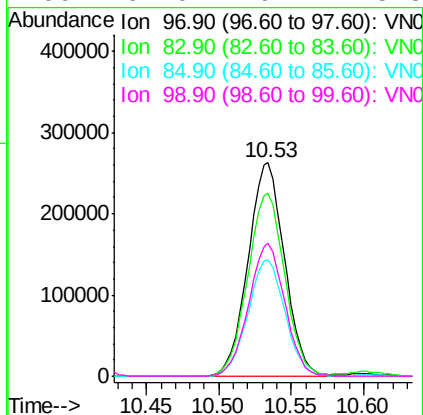
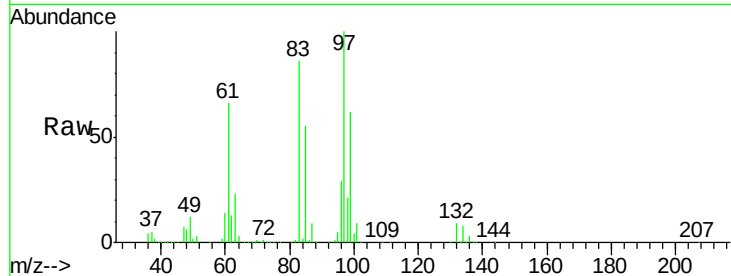
#55
 1,1,2-Trichloroethane
 Concen: 164.255 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	460575
Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.9	103.3
85	54.7	43.6	65.4
99	62.0	49.2	73.8

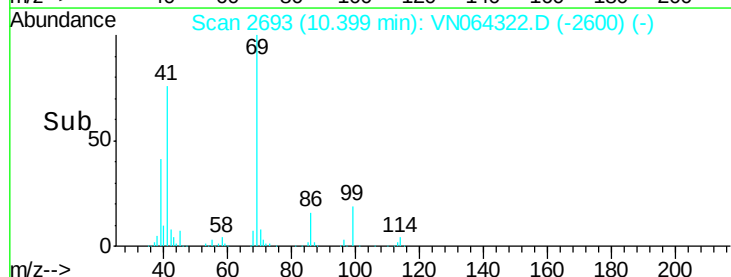
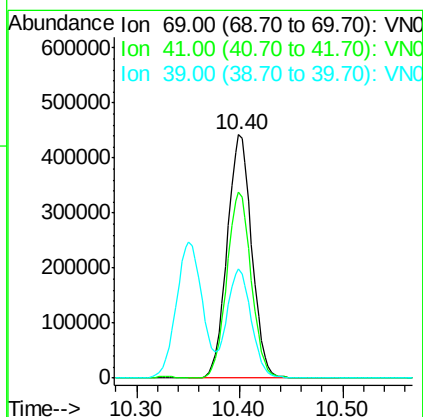
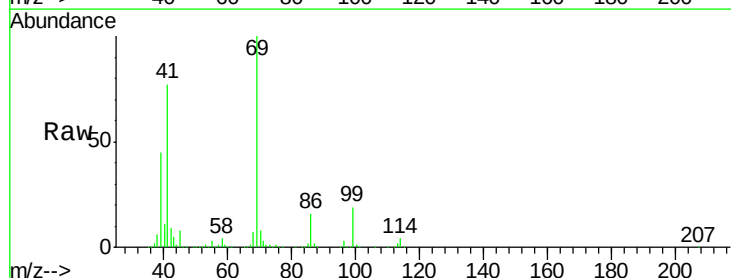
Manual Integrations
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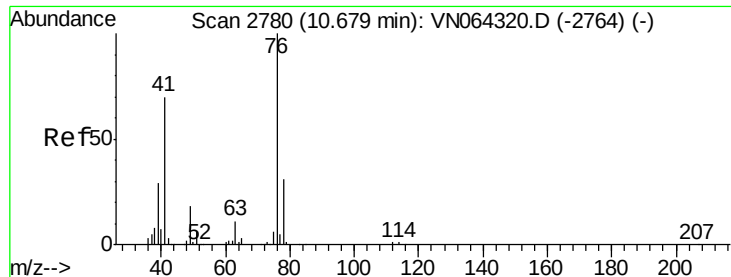
MMDadoda
 10/28/2020 12:35:36 PM



#56
 Ethyl methacrylate
 Concen: 170.182 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion:	69	Resp:	738450
Ion	Ratio	Lower	Upper
69	100		
41	75.2	61.4	92.2
39	44.2	36.5	54.7





#57

1,3-Dichloropropane

Concen: 163.715 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 798005

Ion Ratio Lower Upper

76 100

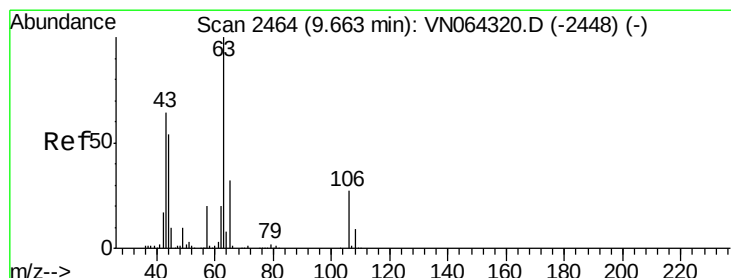
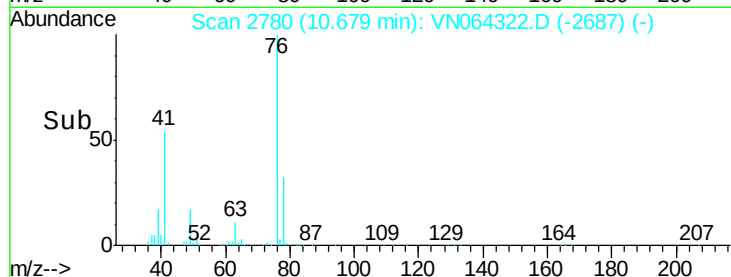
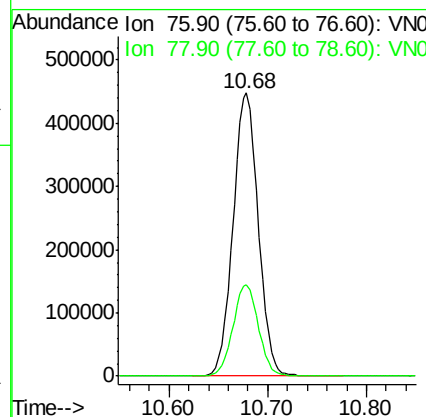
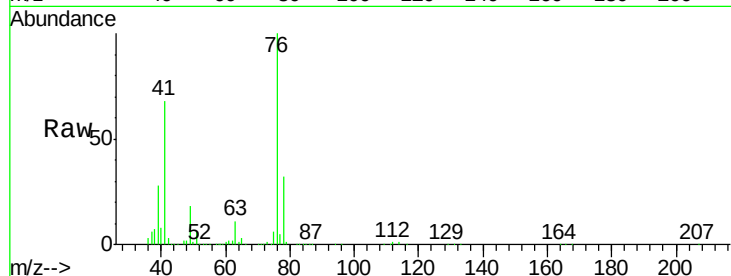
78 32.8 25.8 38.6

Manual Integrations

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10/28/2020 12:35:36 PM



#58

2-Chloroethyl Vinyl ether

Concen: 839.449 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064322.D

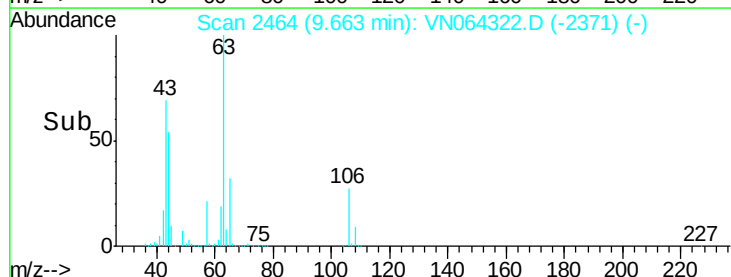
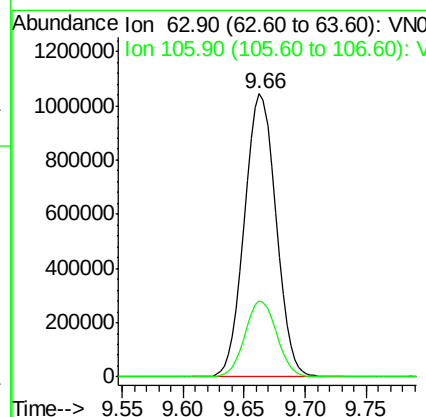
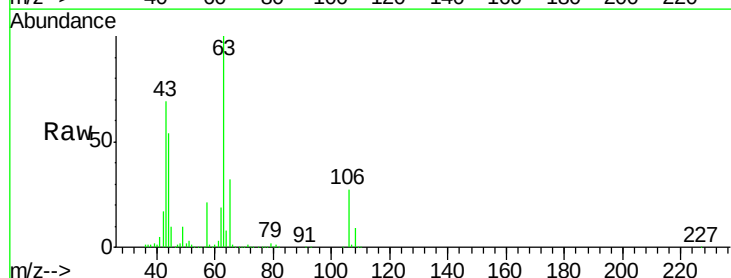
Acq: 27 Oct 2020 12:04

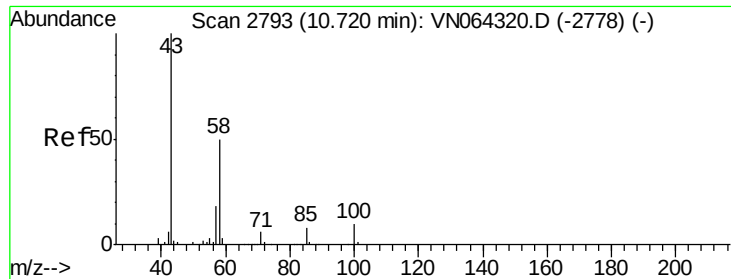
Tgt Ion: 63 Resp: 1869226

Ion Ratio Lower Upper

63 100

106 27.0 21.0 31.4





#59

2-Hexanone

Concen: 912.552 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2588300

Ion Ratio Lower Upper

43 100

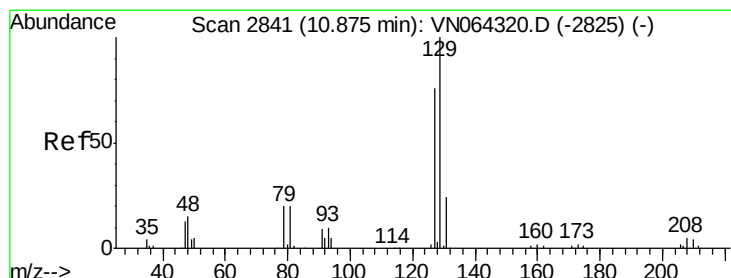
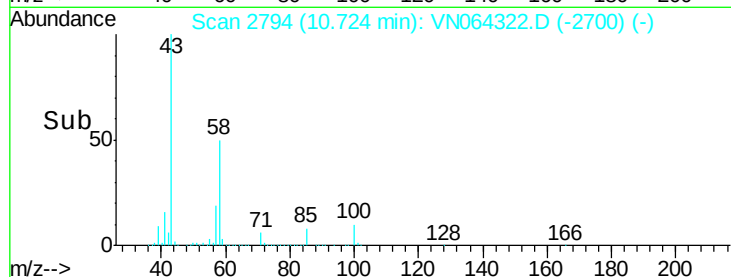
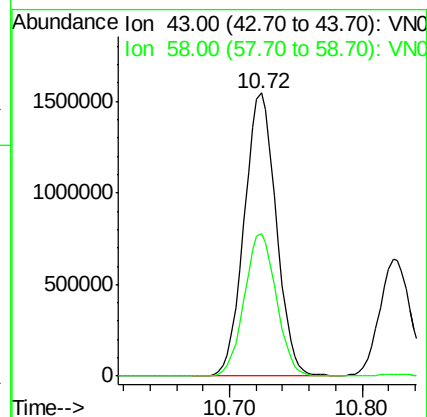
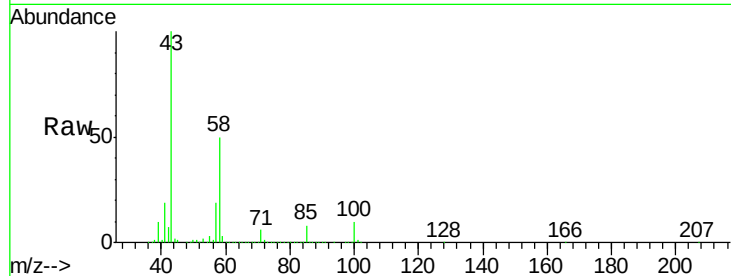
58 50.6 25.0 75.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 159.048 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064322.D

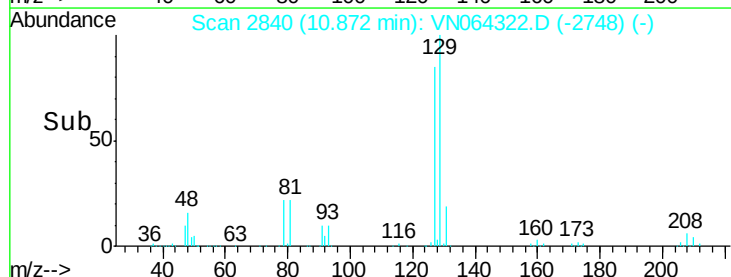
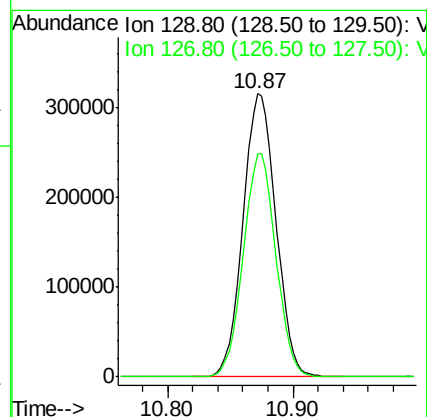
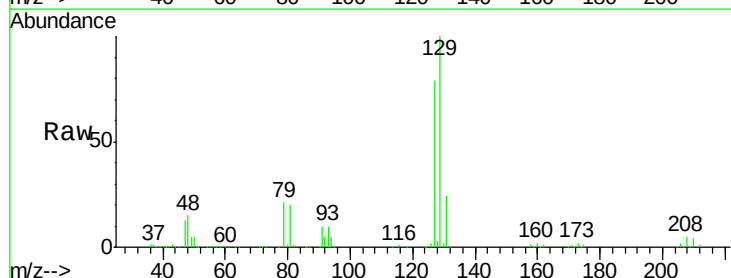
Acq: 27 Oct 2020 12:04

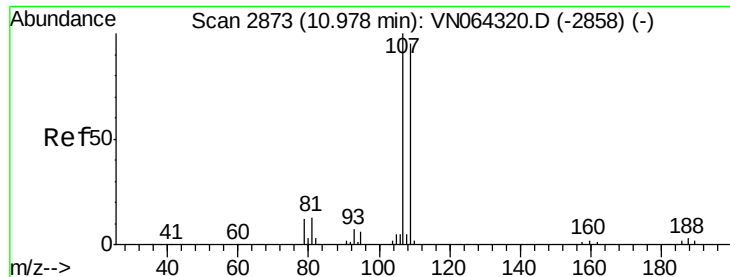
Tgt Ion: 129 Resp: 576739

Ion Ratio Lower Upper

129 100

127 78.1 38.5 115.3





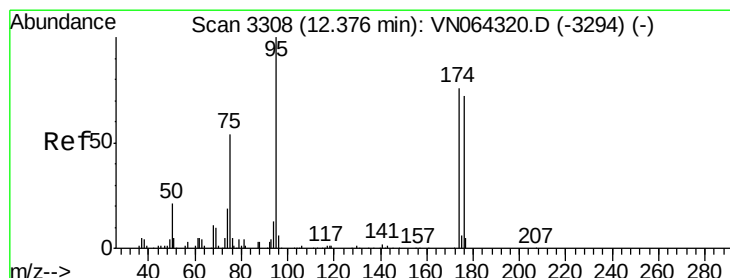
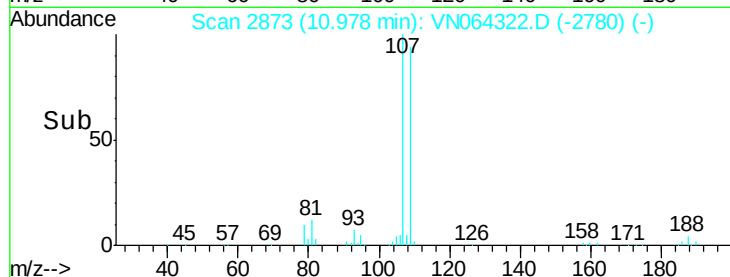
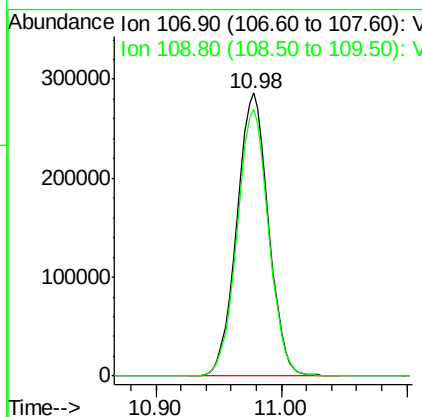
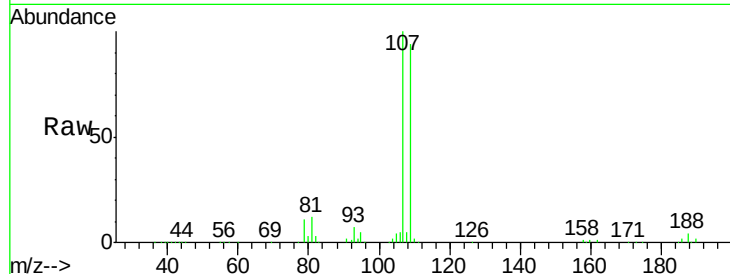
#61
 1,2-Dibromoethane
 Concen: 169.343 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.8	113.8

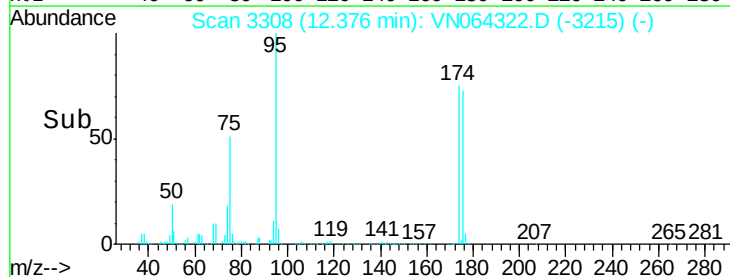
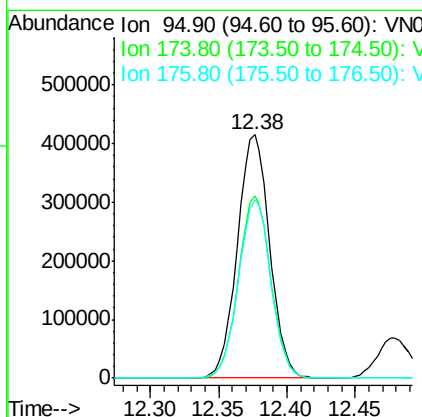
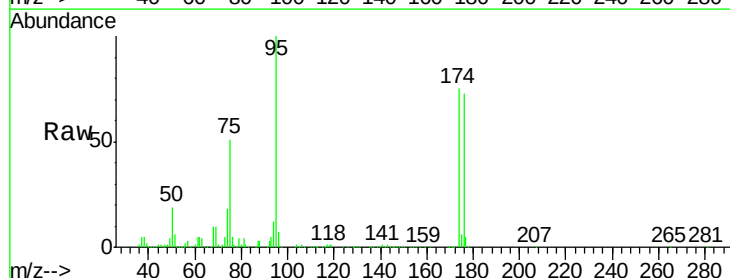
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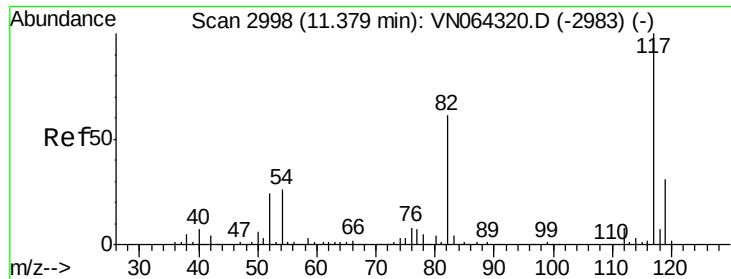
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#62
 4-Bromofluorobenzene
 Concen: 167.262 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	147.4
176	73.6	0.0	143.6





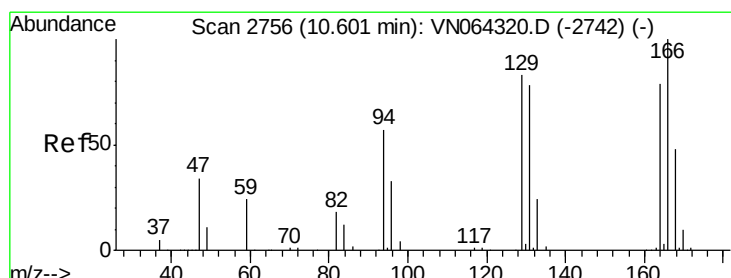
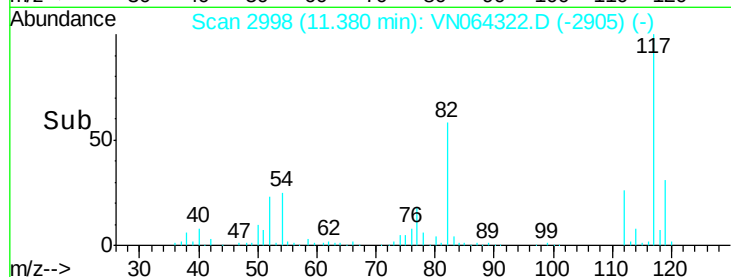
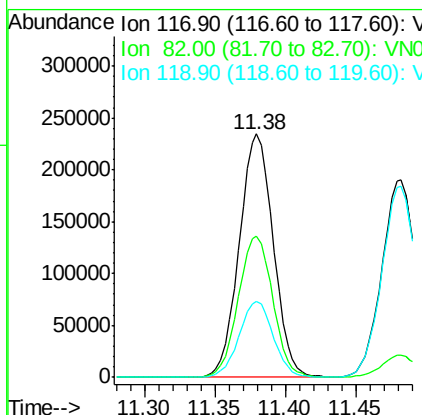
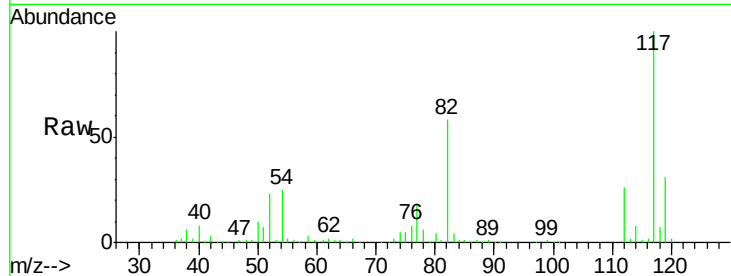
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	48.8	73.2
119	31.1	25.1	37.7

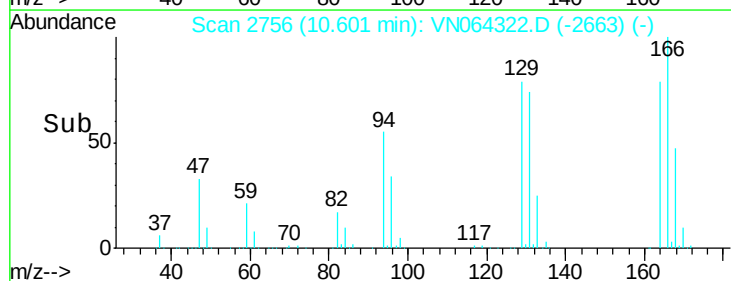
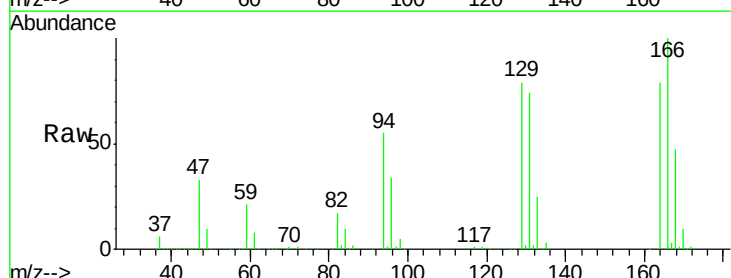
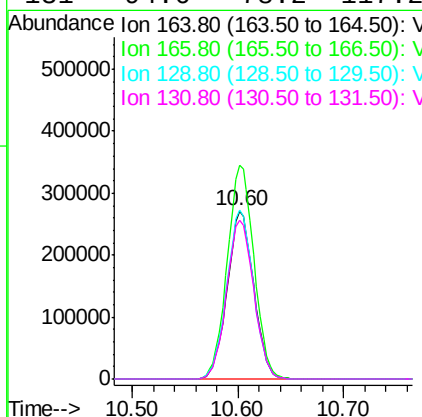
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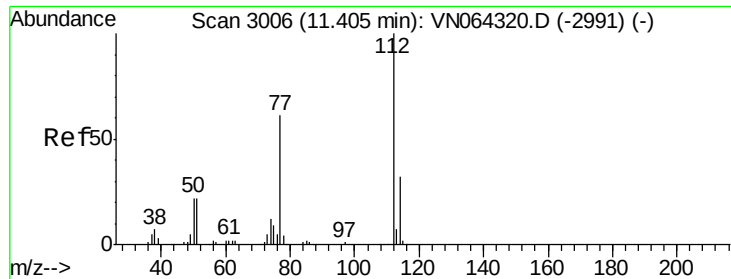
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#64
Tetrachloroethene
Concen: 146.202 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	100.7	151.1
129	100.4	83.7	125.5
131	94.6	78.2	117.2





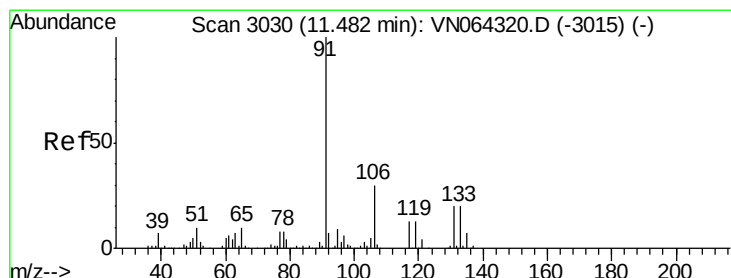
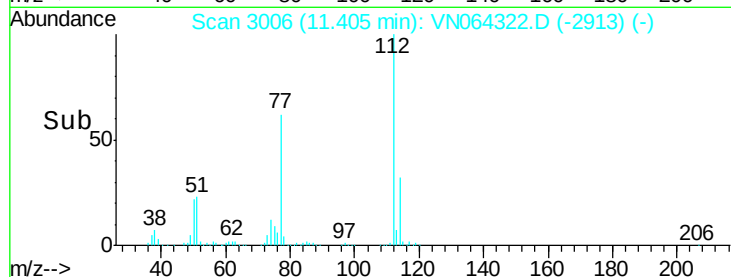
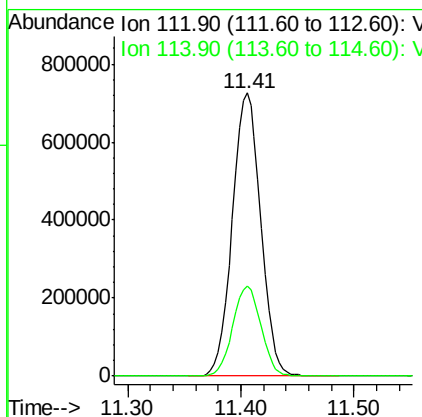
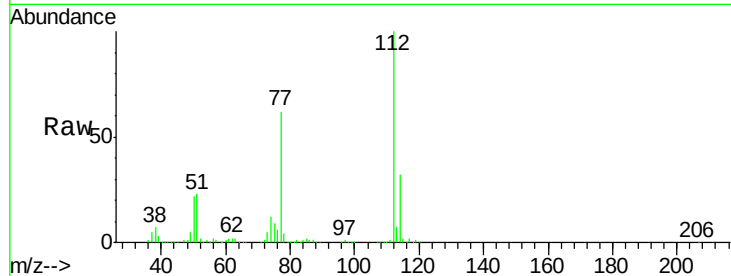
#65
Chlorobenzene
Concen: 154.395 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1266141
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0

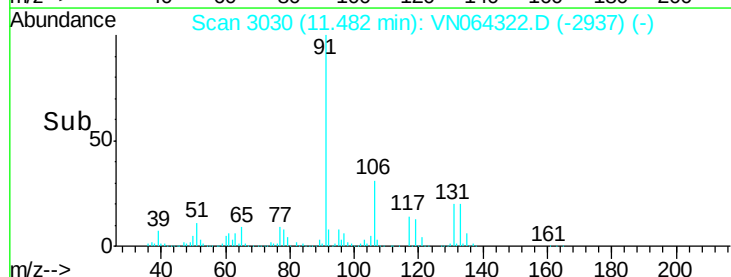
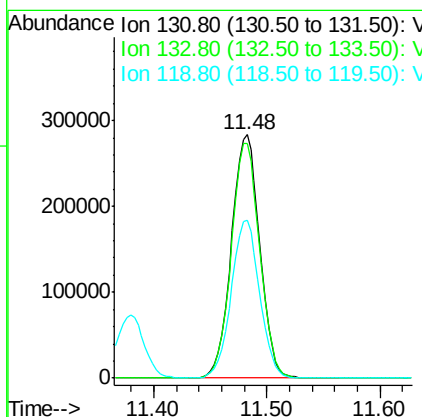
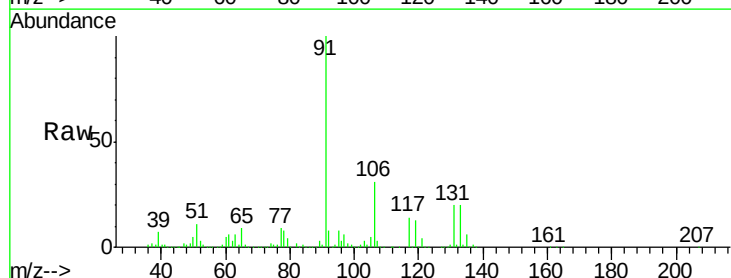
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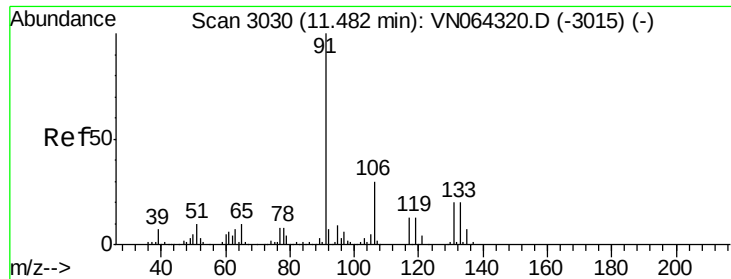
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#66
1,1,1,2-Tetrachloroethane
Concen: 151.384 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion:131 Resp: 492876
Ion Ratio Lower Upper
131 100
133 96.9 49.3 147.8
119 65.1 32.3 96.9





#67

Ethyl Benzene

Concen: 153.813 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2322981

Ion Ratio Lower Upper

91 100

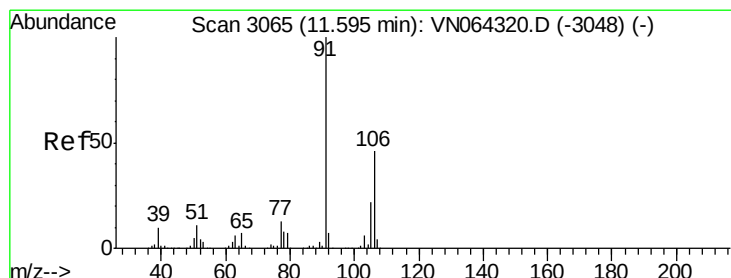
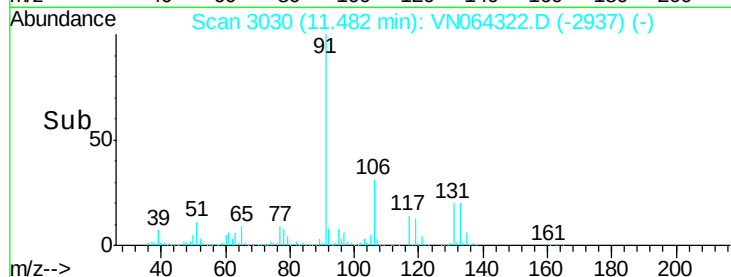
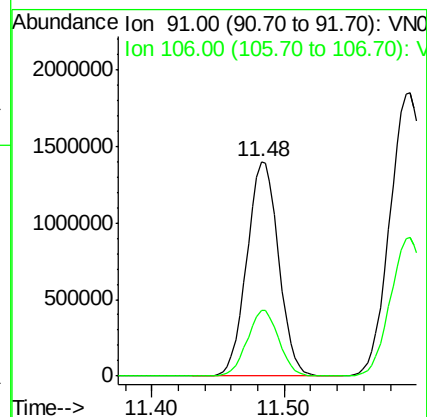
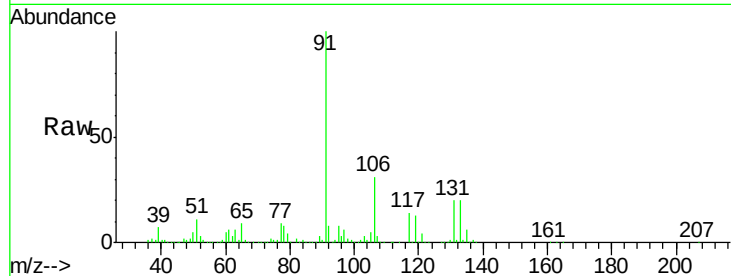
106 30.6 23.7 35.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 309.828 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064322.D

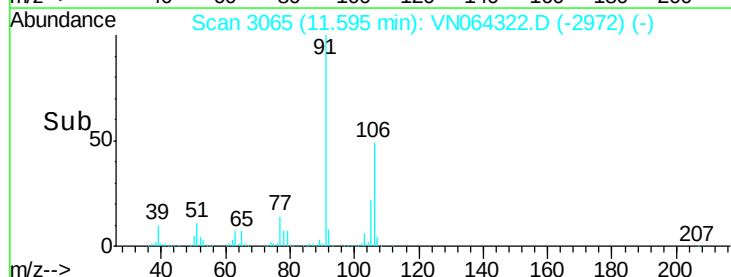
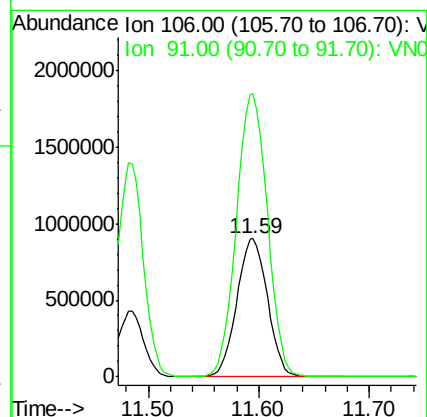
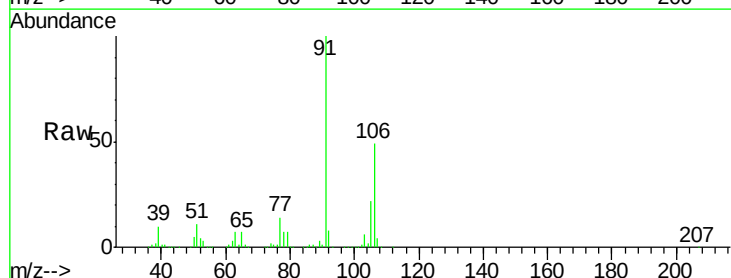
Acq: 27 Oct 2020 12:04

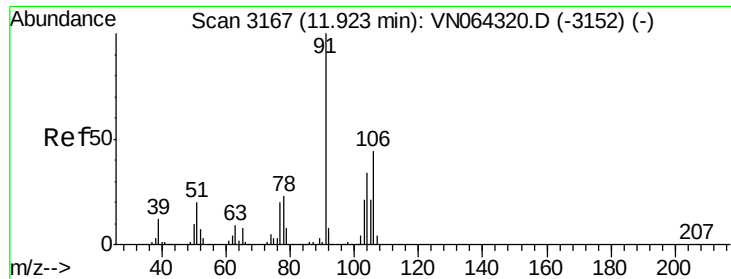
Tgt Ion: 106 Resp: 1735020

Ion Ratio Lower Upper

106 100

91 206.6 170.2 255.4





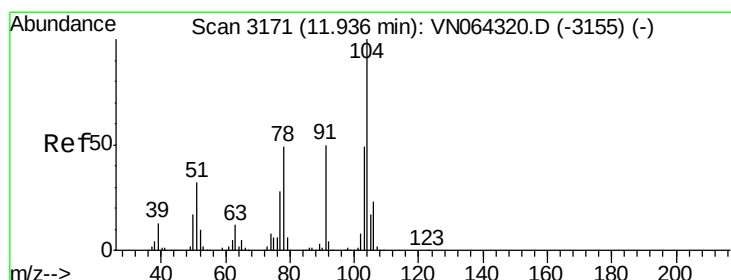
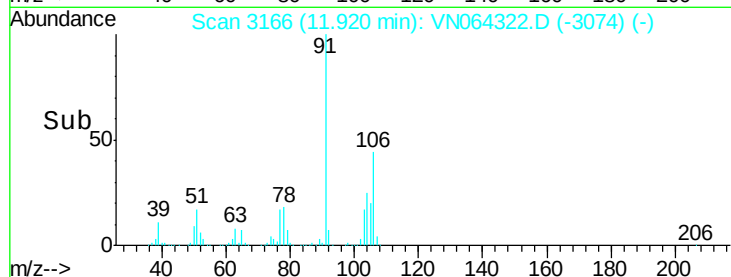
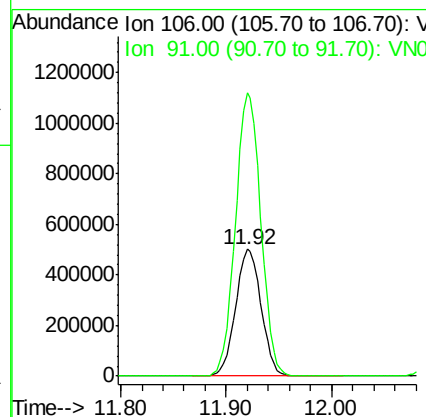
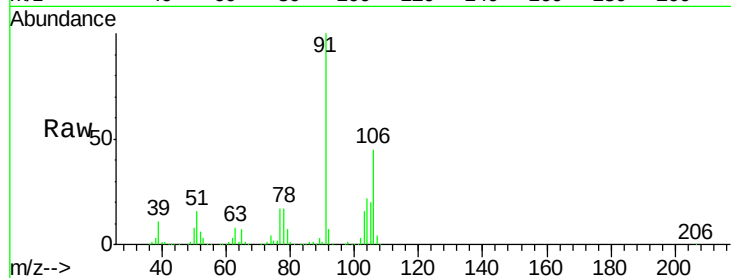
#69
o-Xylene
Concen: 155.975 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.4	114.5	343.5

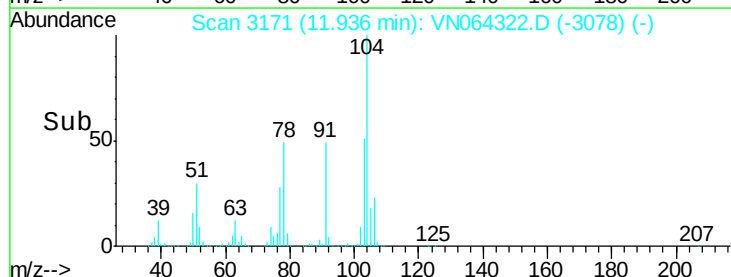
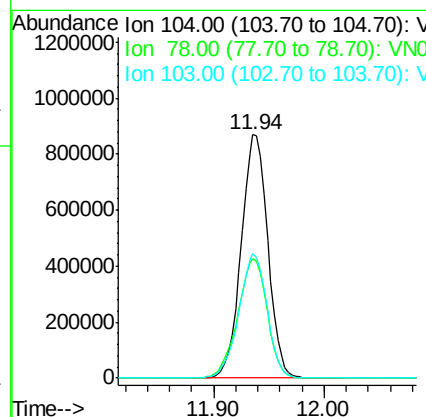
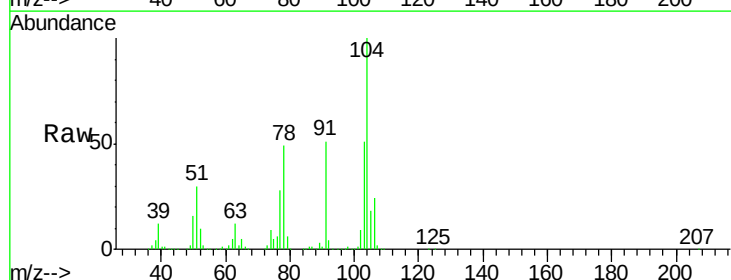
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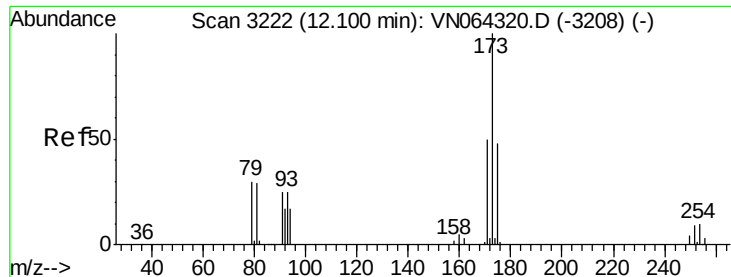
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#70
Styrene
Concen: 160.398 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	54.4	43.7	65.5
103	54.4	43.3	64.9





#71

Bromoform

Concen: 169.261 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 426688

Ion Ratio Lower Upper

173 100

175 49.3 25.4 76.0

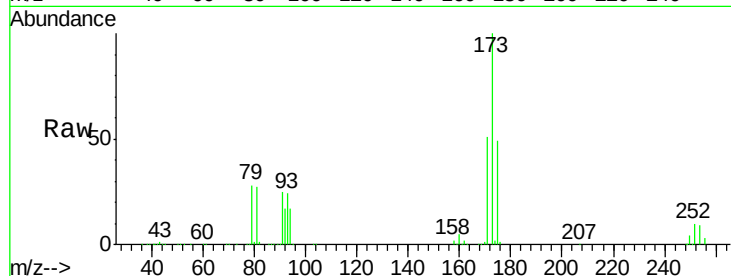
254 0.1 0.0 0.0#

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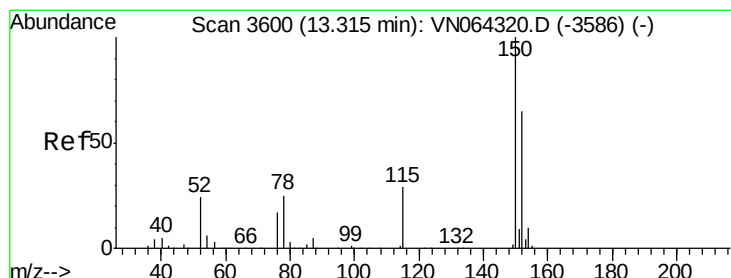
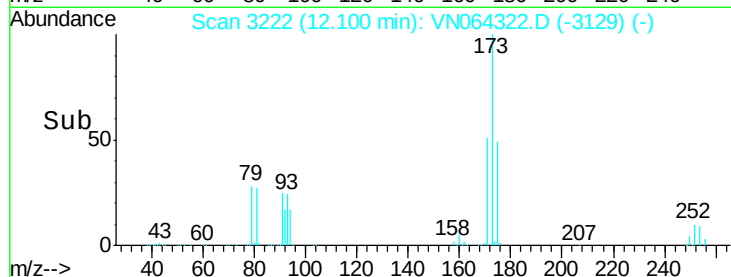
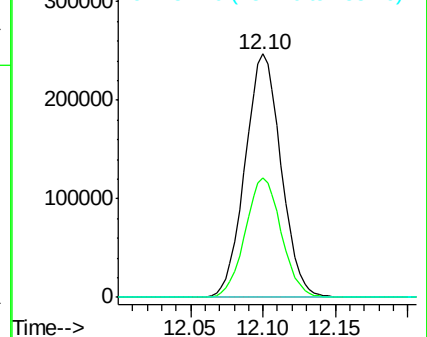
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

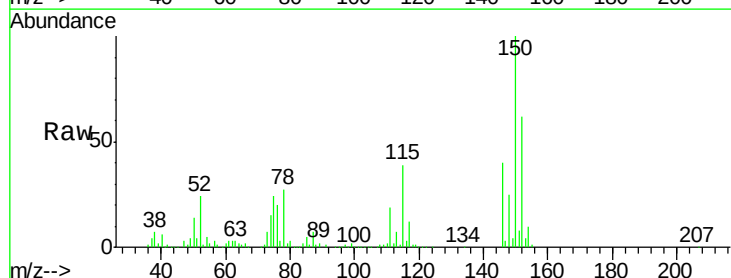
Tgt Ion:152 Resp: 202512

Ion Ratio Lower Upper

152 100

115 61.5 31.5 94.5

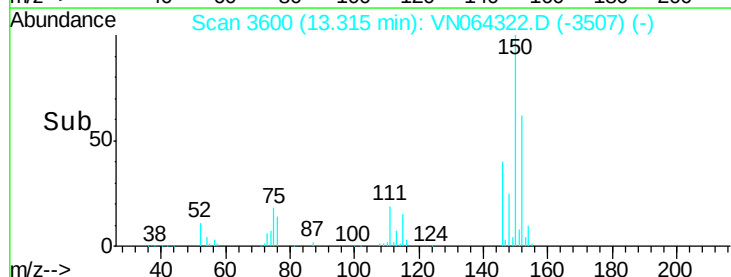
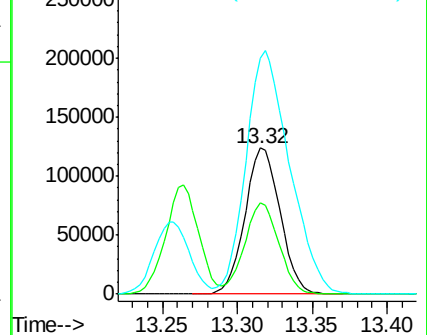
150 206.9 0.0 346.2

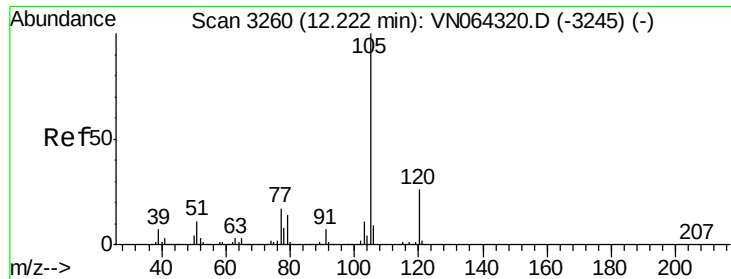


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 145.289 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2231378

Ion Ratio Lower Upper

105 100

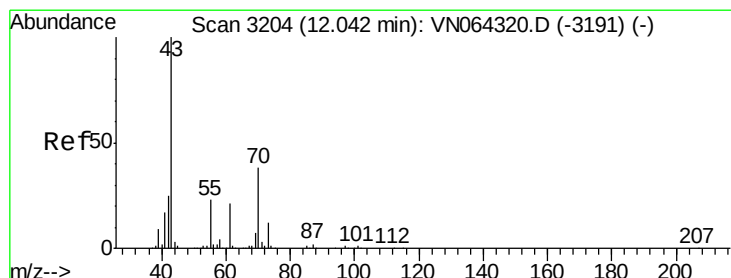
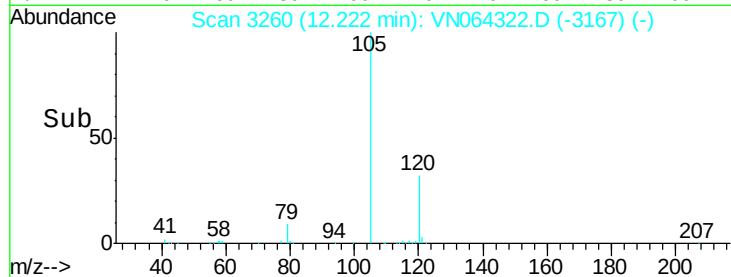
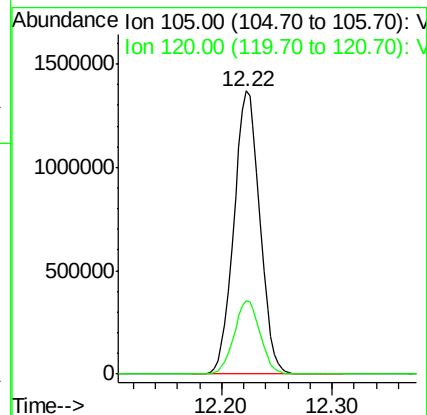
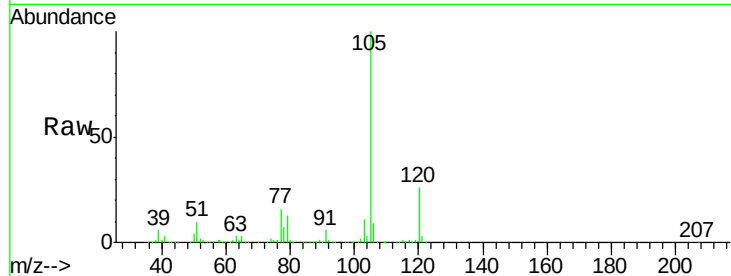
120 25.9 13.2 39.5

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#74

N-ethyl acetate

Concen: 161.910 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tgt Ion: 43 Resp: 1082109

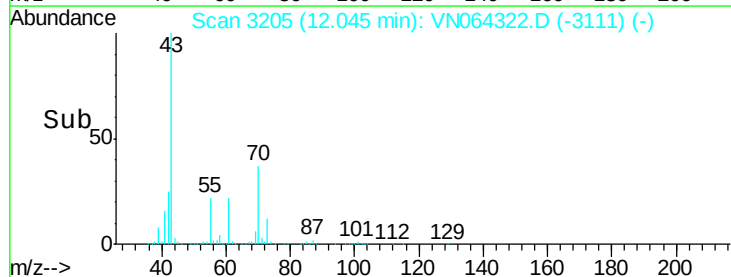
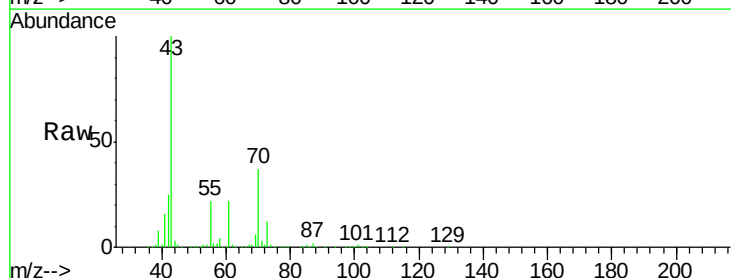
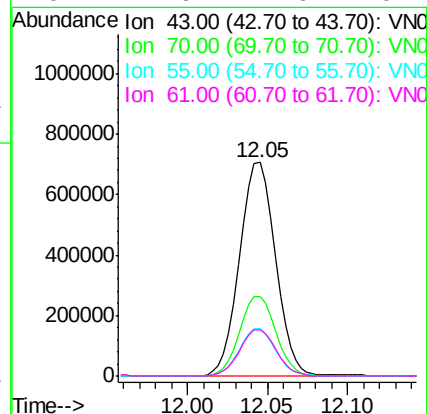
Ion Ratio Lower Upper

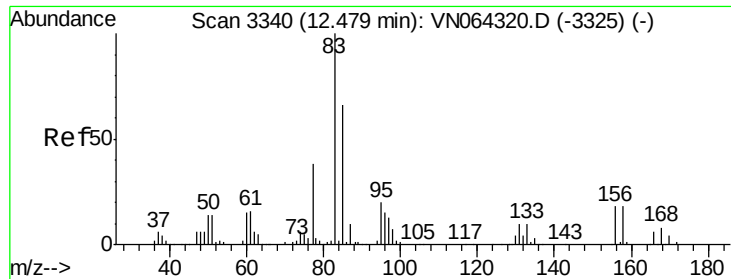
43 100

70 37.5 30.6 45.8

55 22.3 18.2 27.4

61 21.9 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 155.936 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

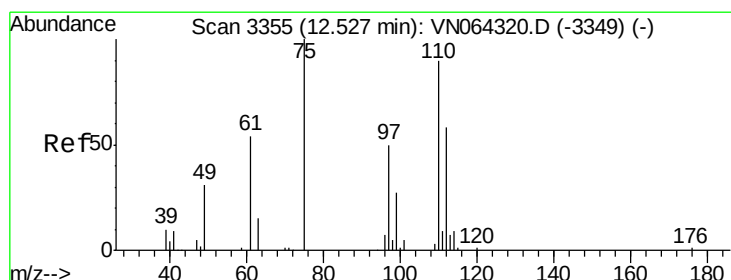
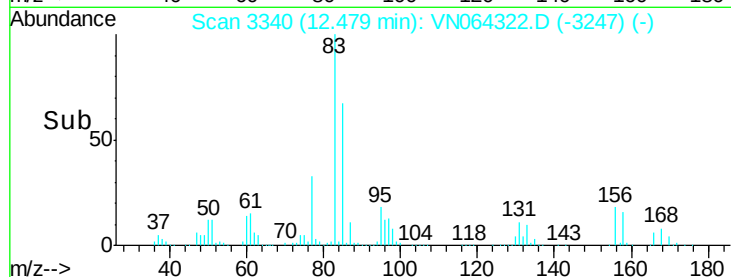
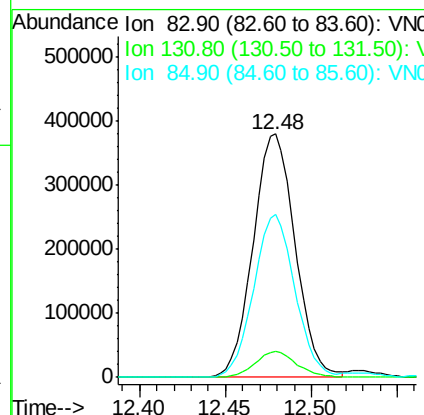
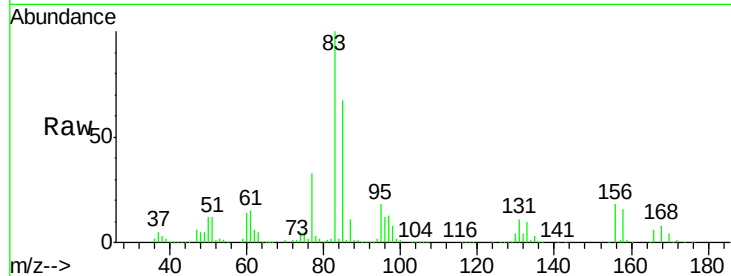
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	644213
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	65.8	33.0	98.9

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#76

1,2,3-Trichloropropane

Concen: 160.515 ug/l m

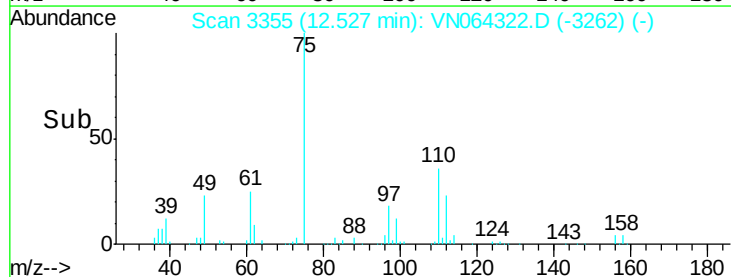
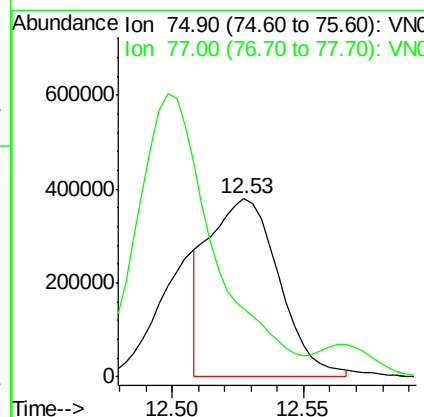
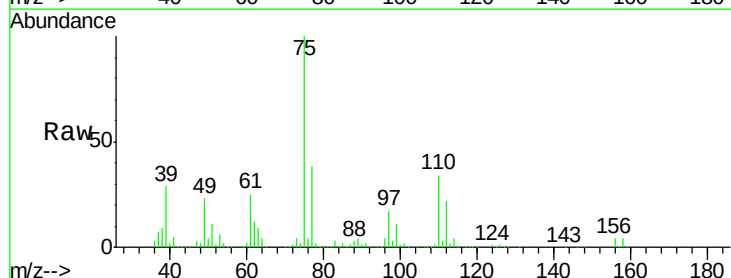
RT: 12.53 min Scan# 3355

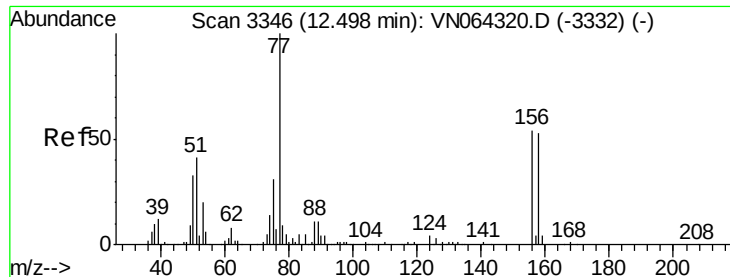
Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tgt Ion:	75	Resp:	706265
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





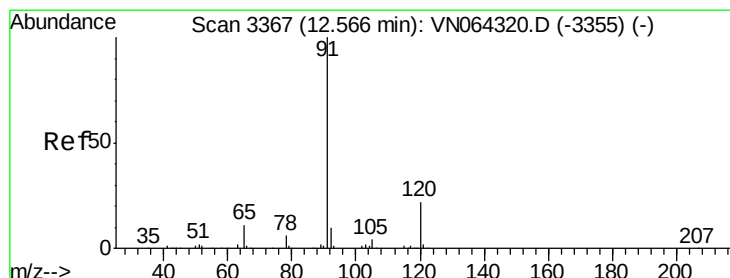
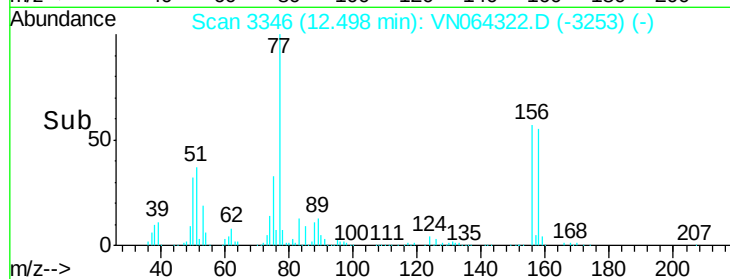
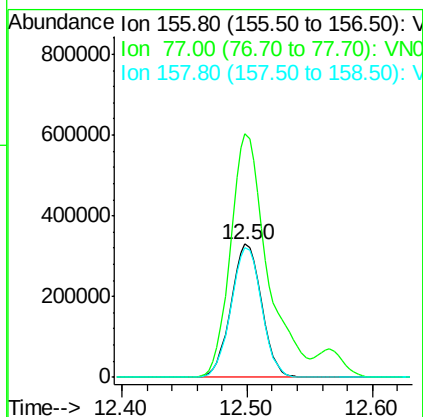
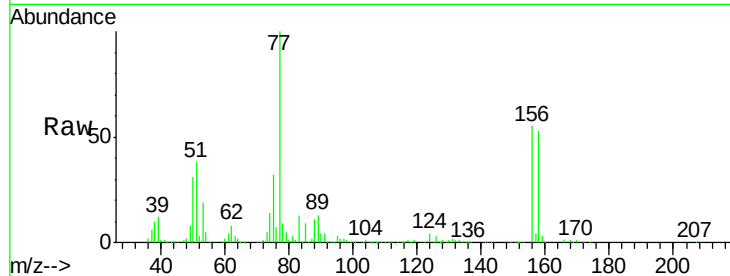
#77
Bromobenzene
Concen: 152.816 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	219.7	111.9	335.7
158	97.4	49.0	147.0

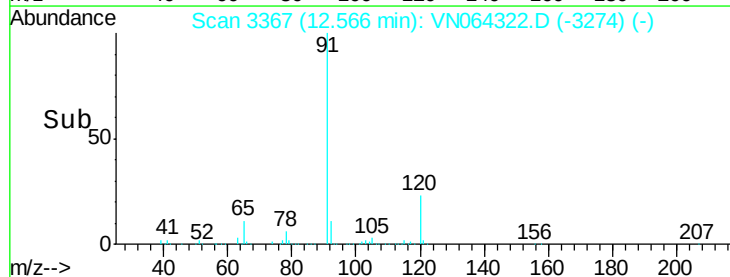
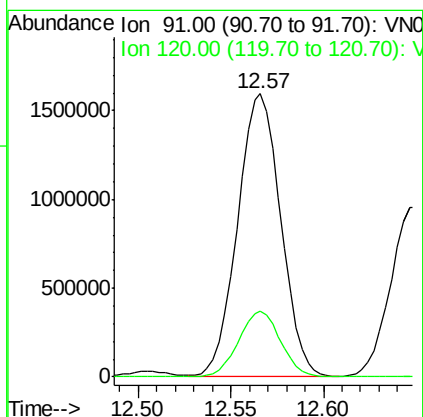
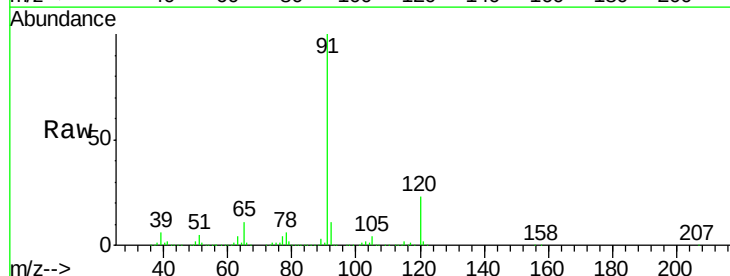
Manual Integrations
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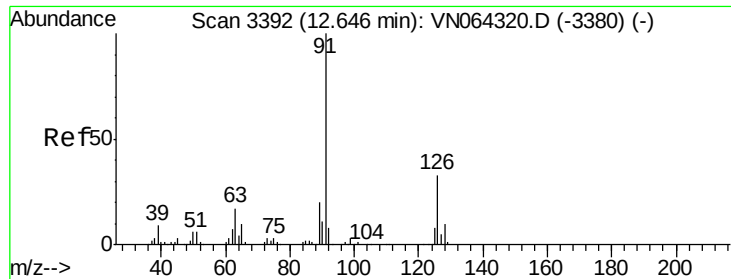
MMDadoda
10/28/2020 12:35:36 PM



#78
n-propylbenzene
Concen: 148.296 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN064322.D
Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.2	33.5





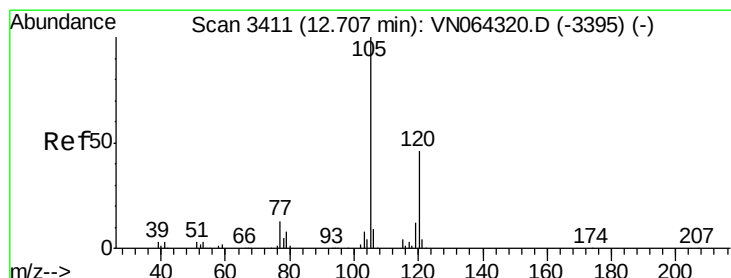
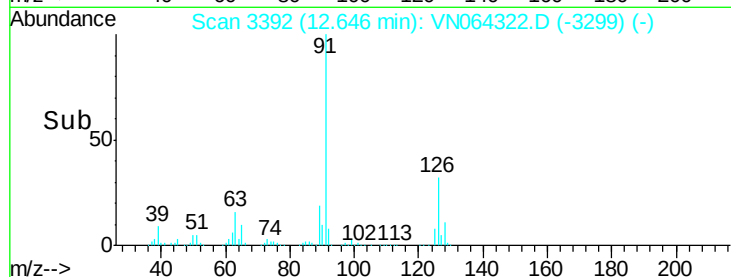
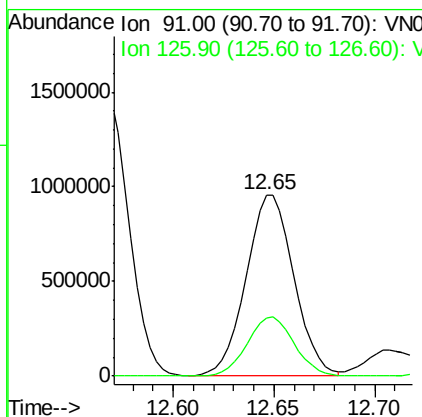
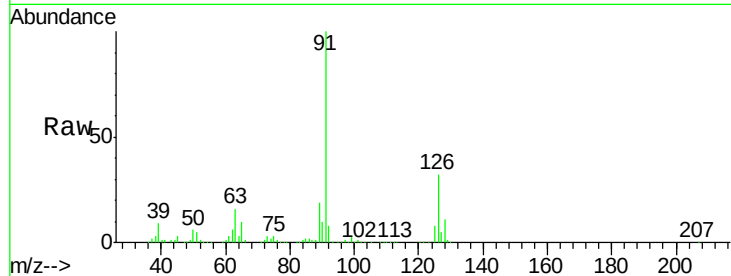
#79
 2-Chlorotoluene
 Concen: 148.722 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1587850
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.2 48.5

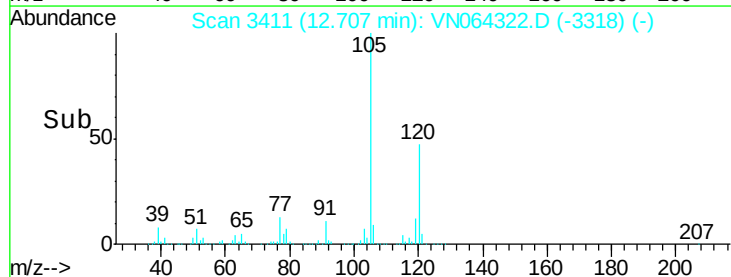
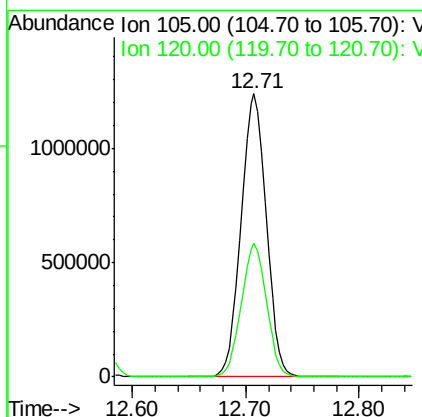
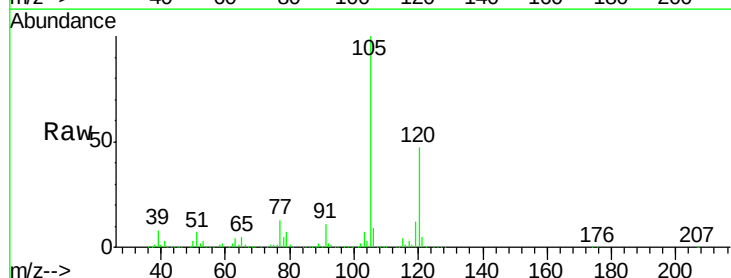
Manual Integrations
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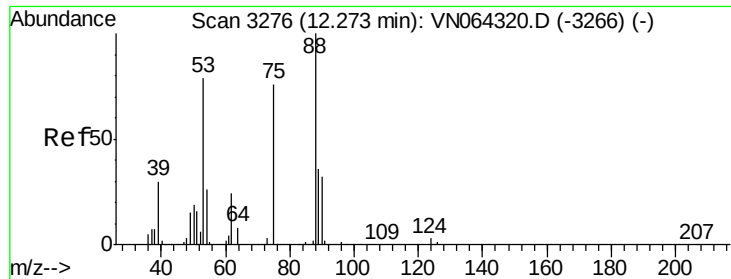
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 147.747 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion: 105 Resp: 1920986
 Ion Ratio Lower Upper
 105 100
 120 47.1 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 159.970 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

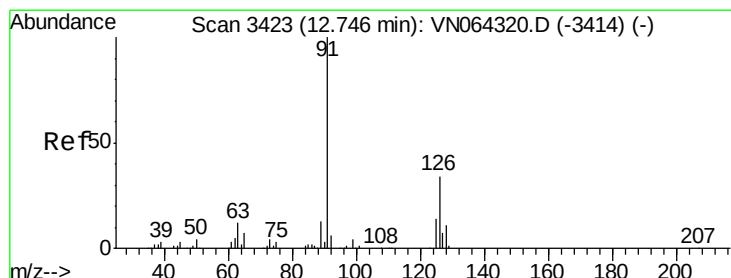
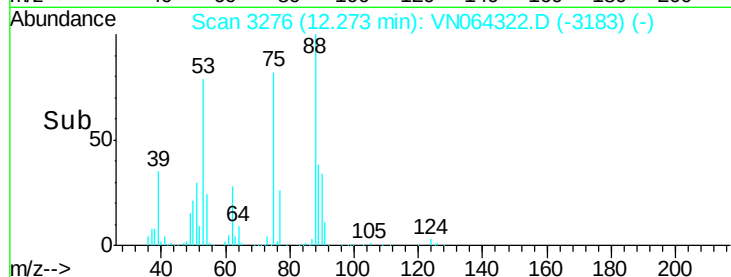
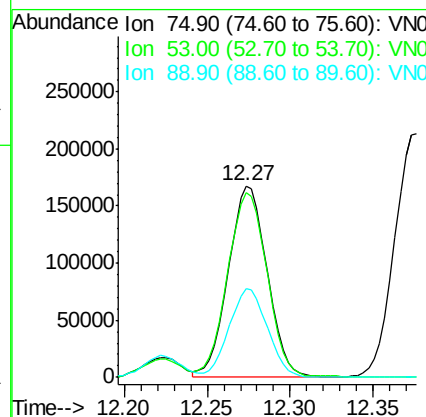
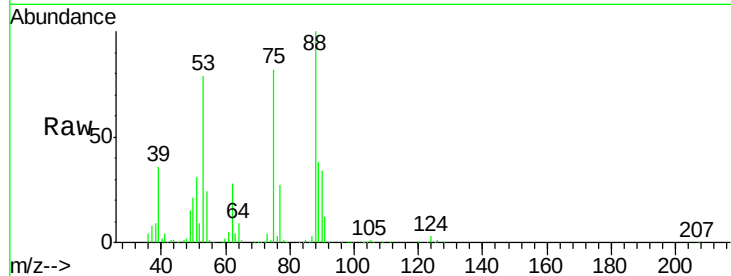
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	272878
Ion	Ratio	Lower	Upper
75	100		
53	98.5	81.8	122.8
89	45.8	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 150.459 ug/l

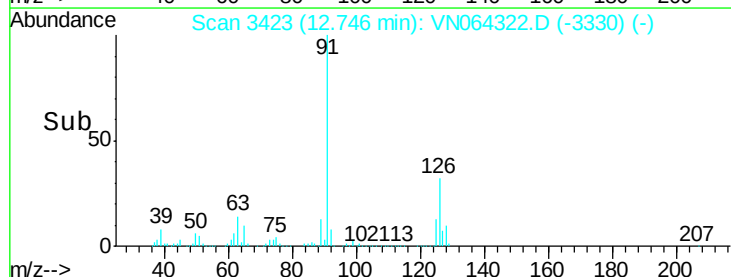
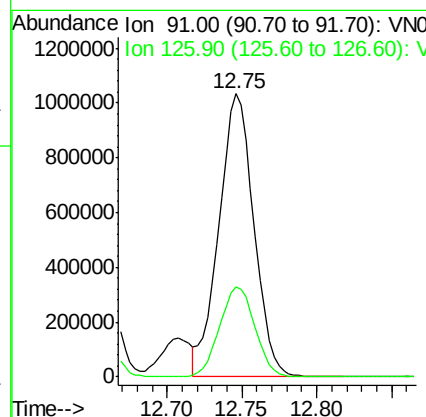
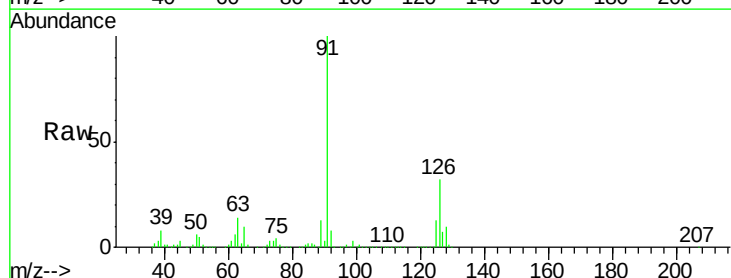
RT: 12.75 min Scan# 3423

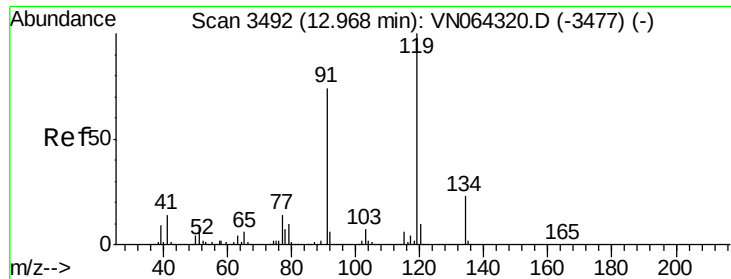
Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Tgt Ion:	91	Resp:	1674239
Ion	Ratio	Lower	Upper
91	100		
126	32.3	15.8	47.3





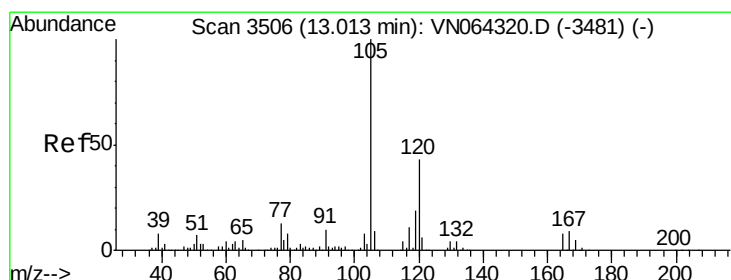
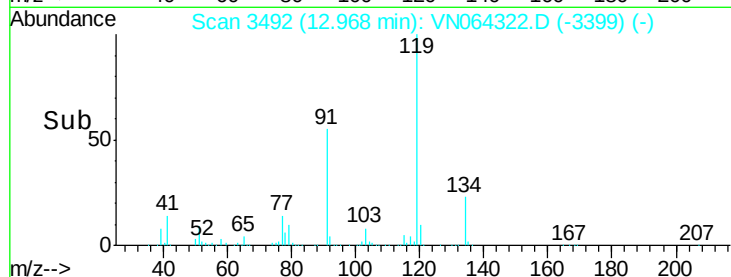
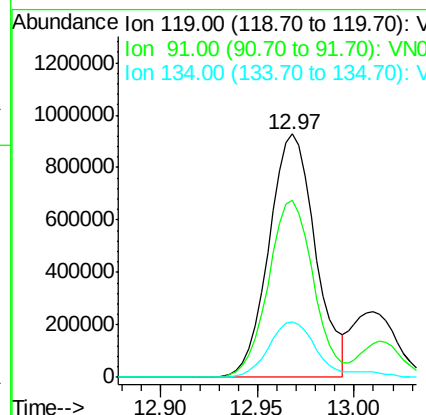
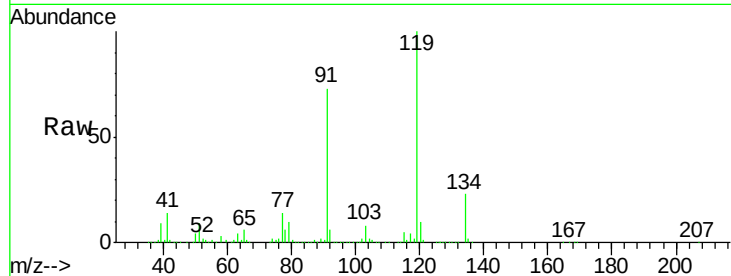
#83
 tert-Butylbenzene
 Concen: 145.454 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1549121
 Ion Ratio Lower Upper
 119 100
 91 70.8 36.4 109.1
 134 22.8 12.0 36.1

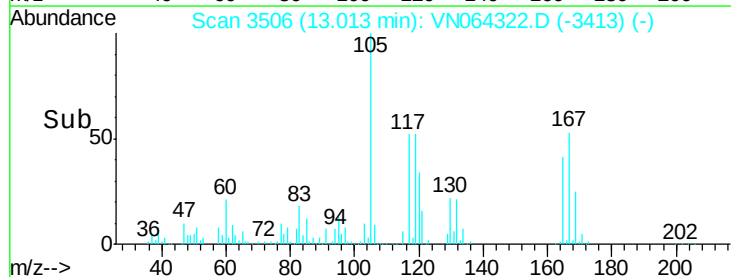
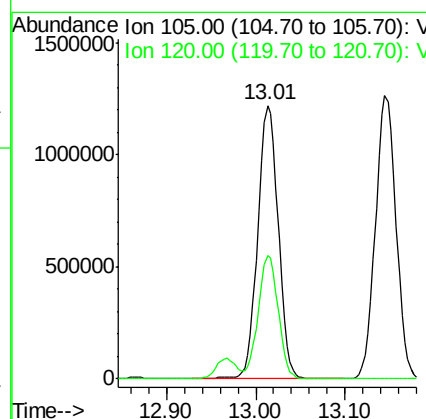
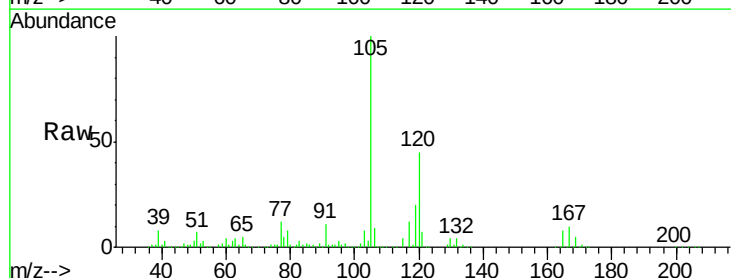
Manual Integrations
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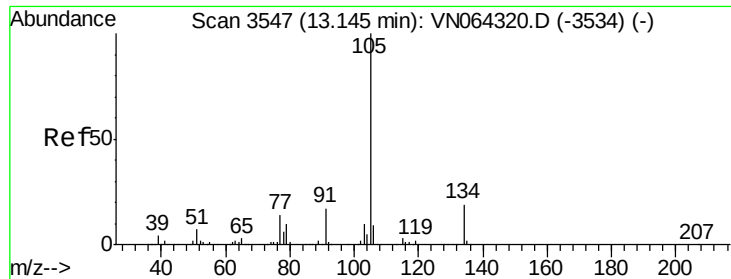
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#84
 1,2,4-Trimethylbenzene
 Concen: 150.401 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion:105 Resp: 1950089
 Ion Ratio Lower Upper
 105 100
 120 44.1 21.3 64.0





#85

sec-Butylbenzene

Concen: 150.817 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2024505

Ion Ratio Lower Upper

105 100

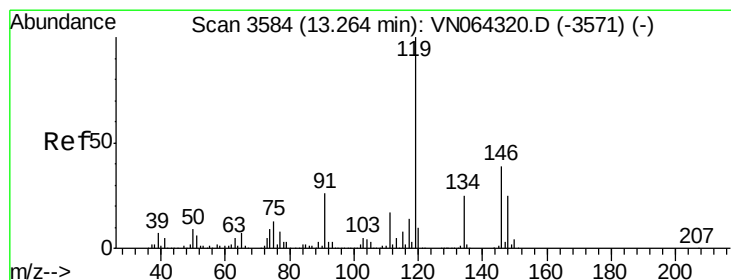
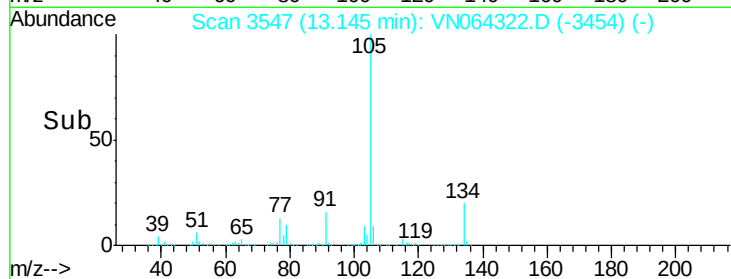
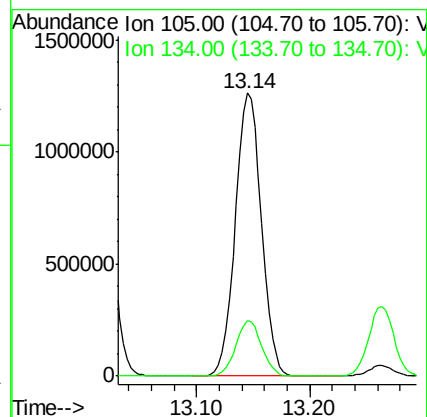
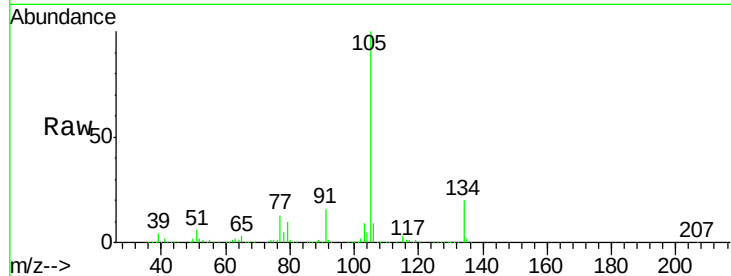
134 19.5 9.6 28.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 152.445 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

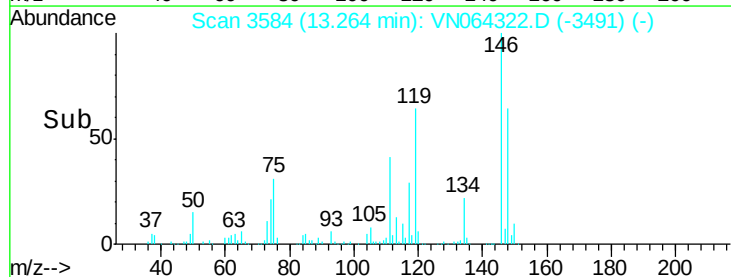
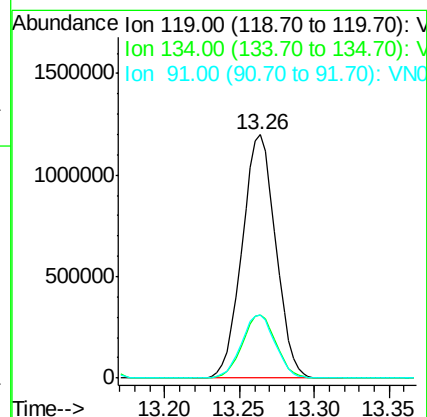
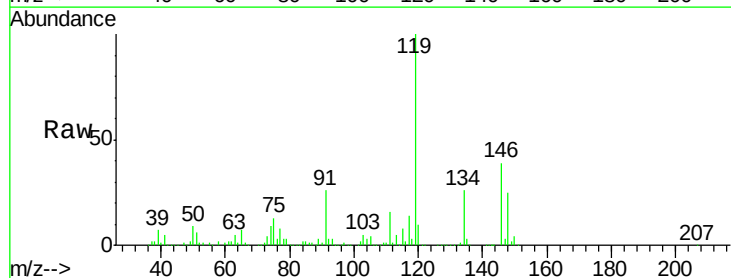
Tgt Ion:119 Resp: 1865895

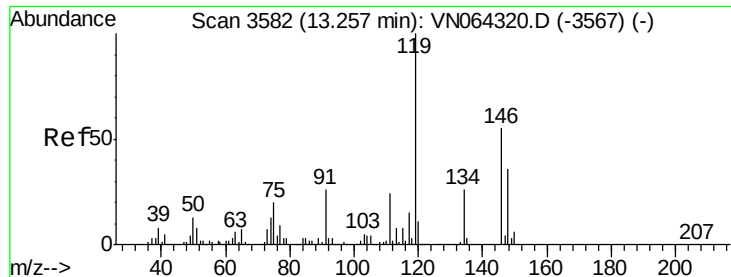
Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.4

91 26.0 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 155.175 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1004313

Ion Ratio Lower Upper

146 100

111 42.6 21.9 65.5

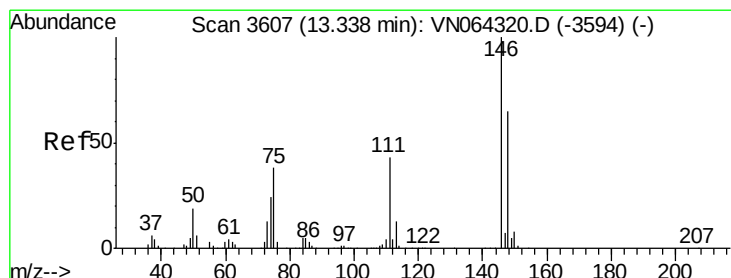
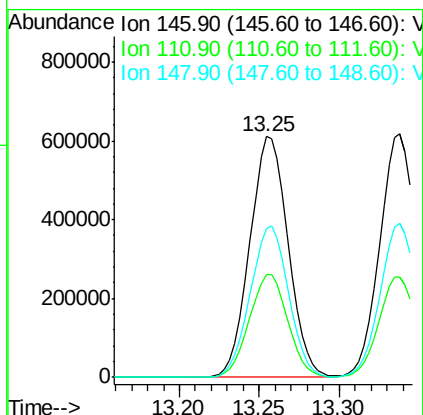
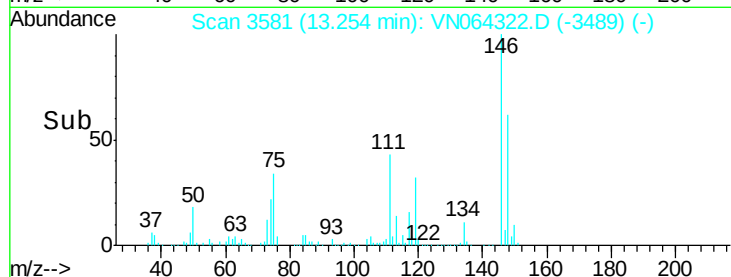
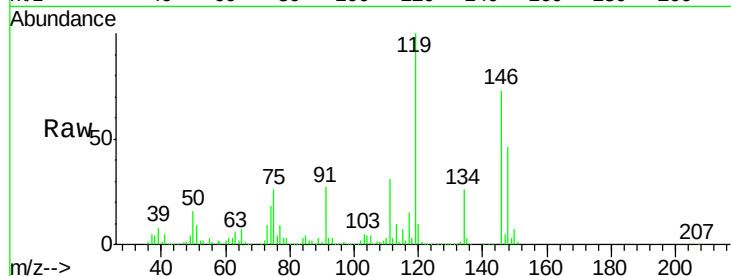
148 62.8 32.6 98.0

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#88

1,4-Dichlorobenzene

Concen: 151.419 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

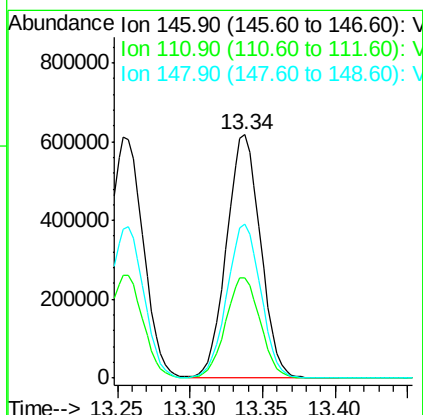
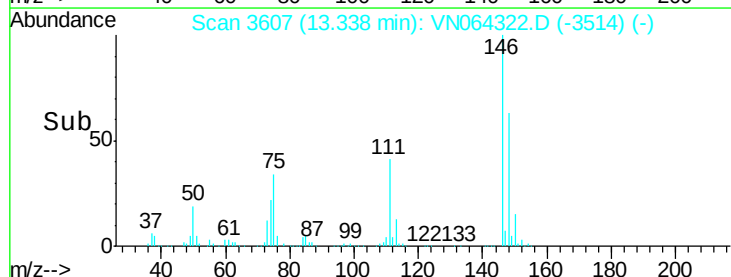
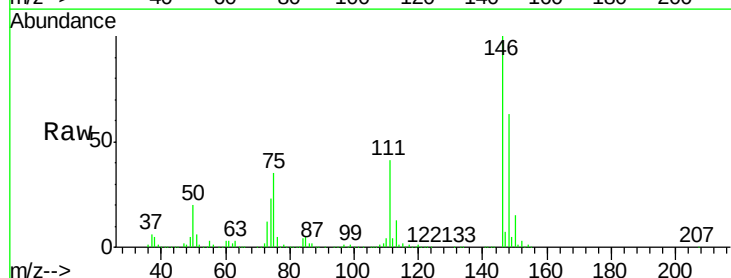
Tgt Ion:146 Resp: 1000736

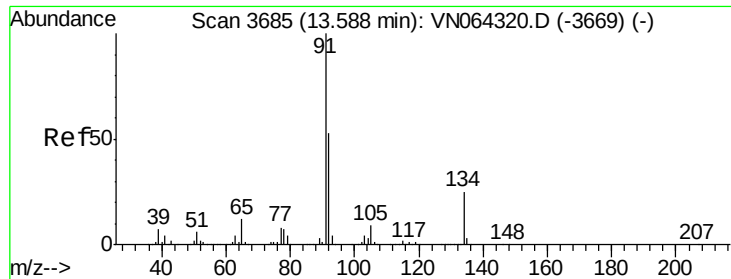
Ion Ratio Lower Upper

146 100

111 41.7 21.8 65.4

148 63.2 31.8 95.3





#89

n-Butylbenzene

Concen: 150.348 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 91 Resp: 1638015

Ion Ratio Lower Upper

91 100

92 51.8 26.2 78.5

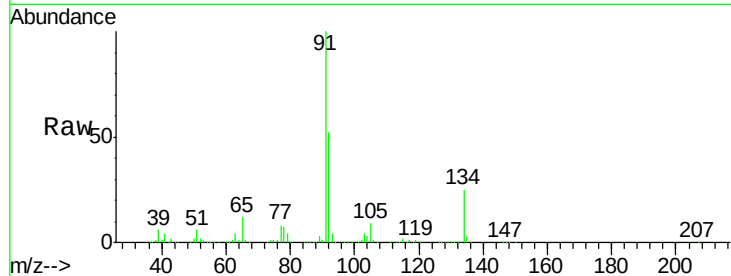
134 25.1 12.4 37.4

Manual Integrations

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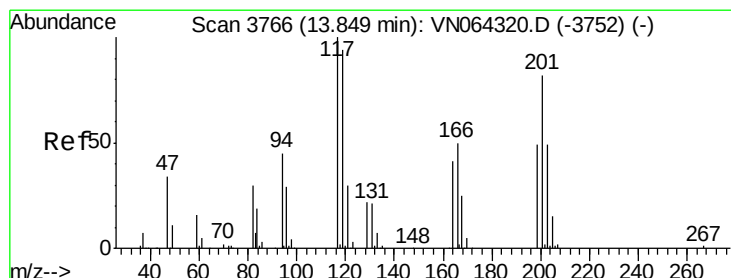
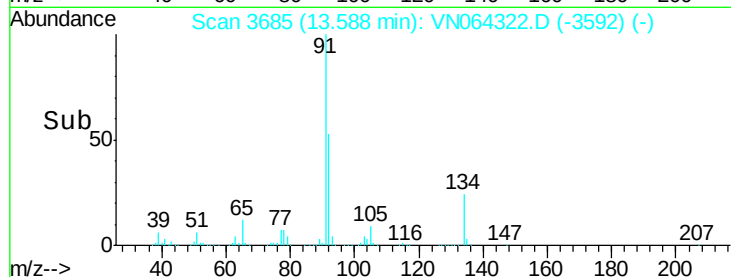
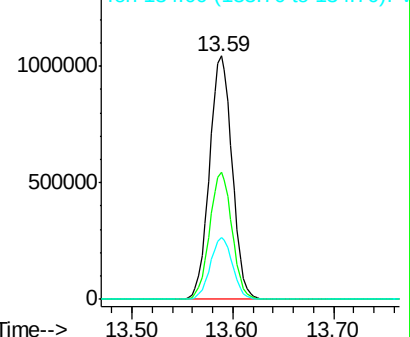
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Abundance Ion 91.00 (90.70 to 91.70): VN064322.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN064322.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN064322.D (-3669) (-)



#90

Hexachloroethane

Concen: 159.074 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064322.D

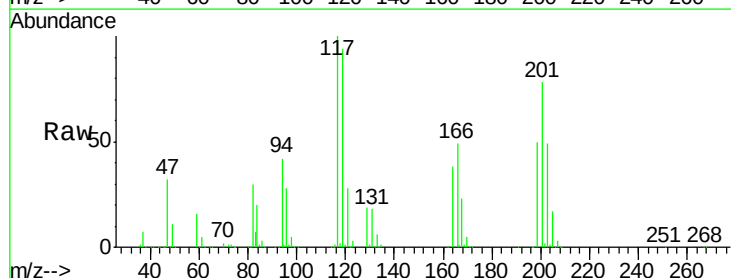
Acq: 27 Oct 2020 12:04

Tgt Ion: 117 Resp: 359005

Ion Ratio Lower Upper

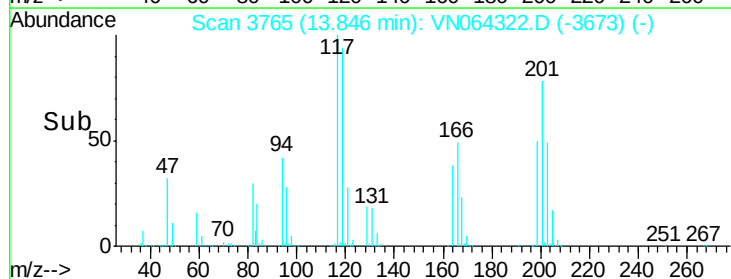
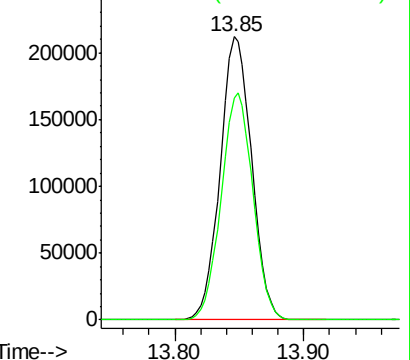
117 100

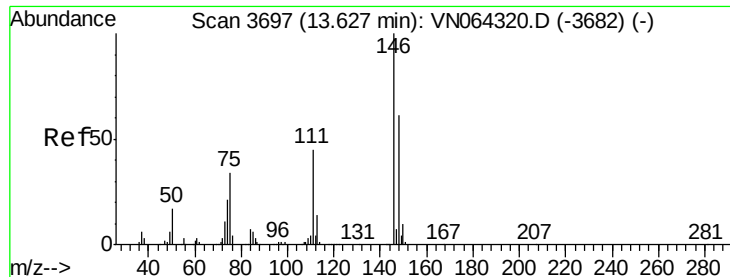
201 80.9 39.8 119.3



Abundance Ion 116.80 (116.50 to 117.50): VN064322.D (-3752) (-)

Ion 200.70 (200.40 to 201.40): VN064322.D (-3752) (-)





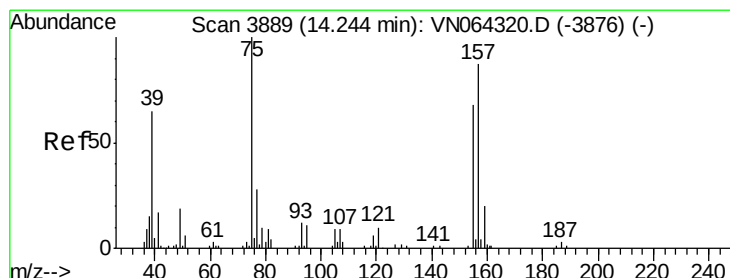
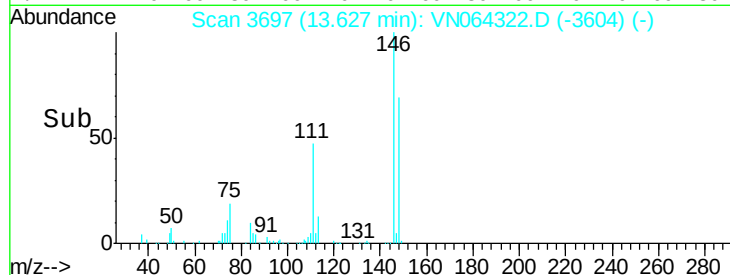
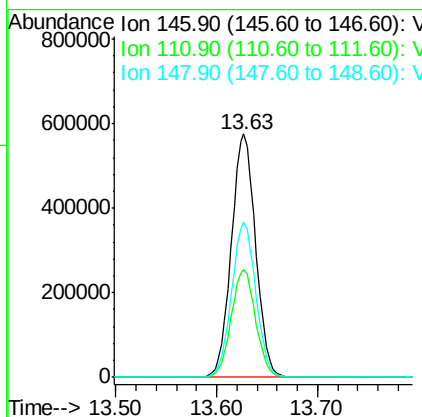
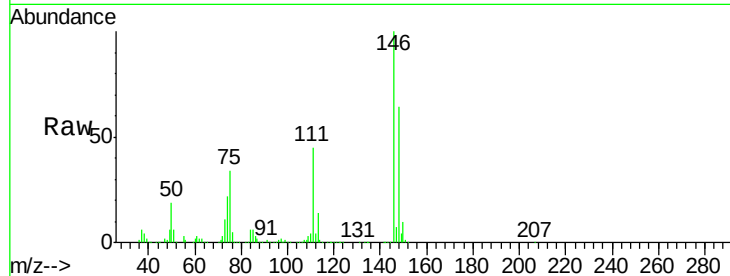
#91
 1,2-Dichlorobenzene
 Concen: 152.205 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	964391		
111	44.6	23.0	69.0	
148	63.8	32.1	96.3	

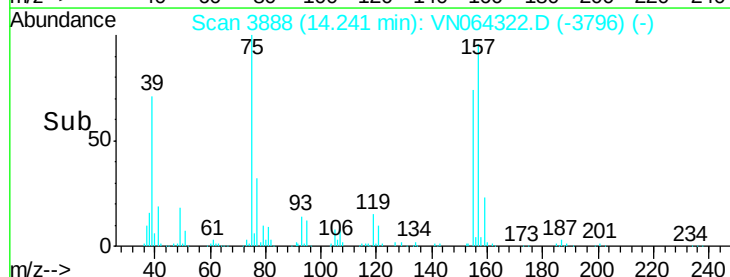
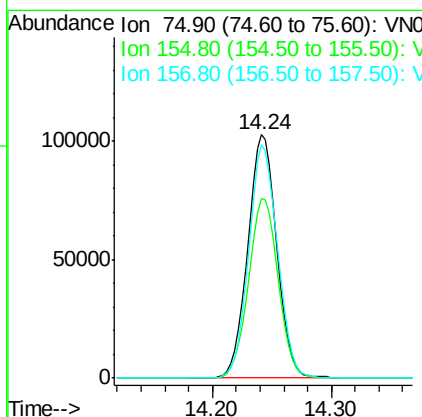
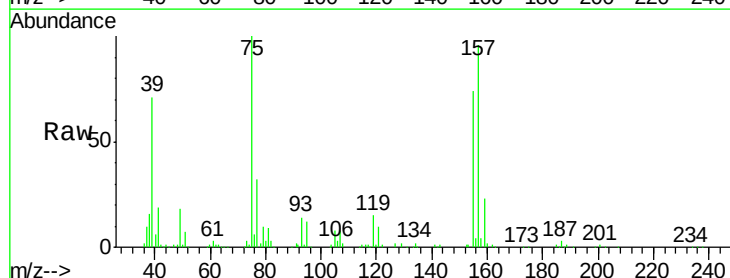
Manual Integrations
 APPROVED

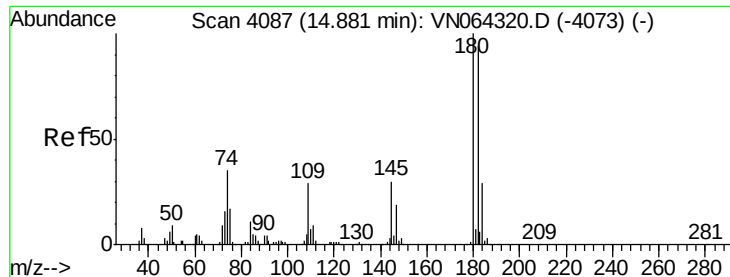
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 166.604 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172818		
155	75.6	35.1	105.5	
157	95.4	43.2	129.6	





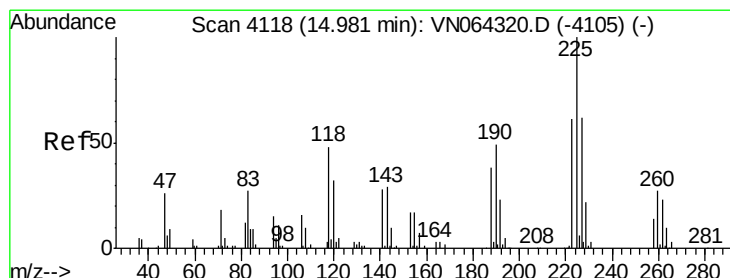
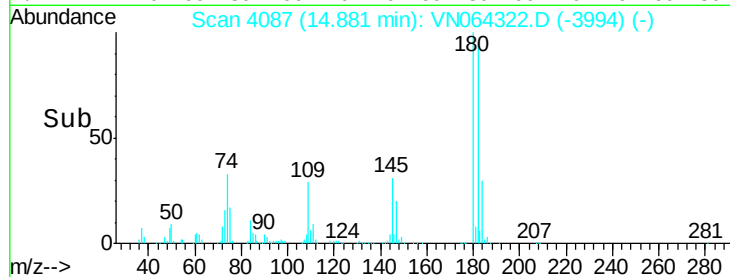
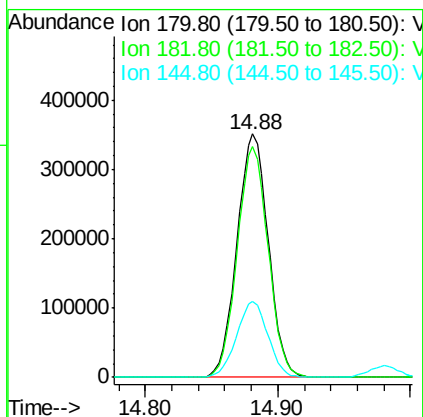
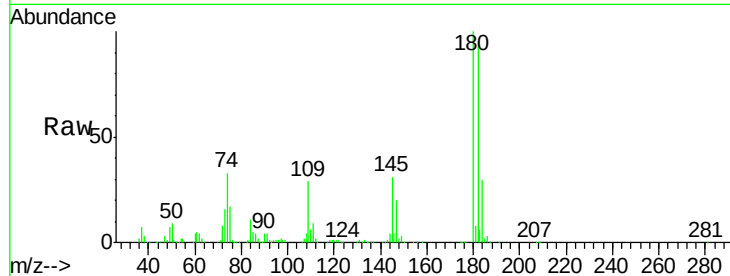
#93
 1,2,4-Trichlorobenzene
 Concen: 163.261 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	575807		
182	93.8	46.6	139.7	
145	31.3	15.3	45.9	

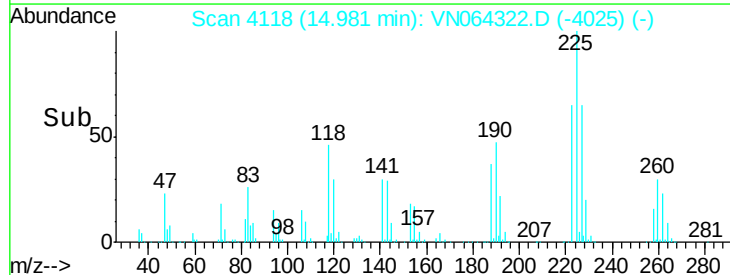
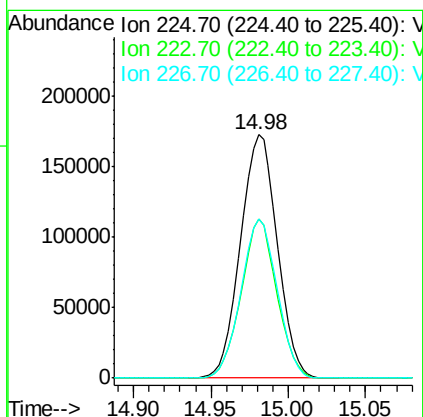
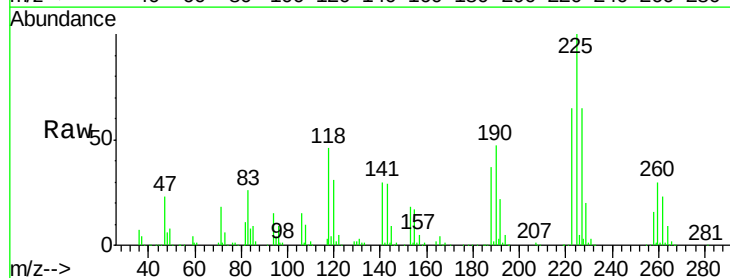
Manual Integrations
 APPROVED

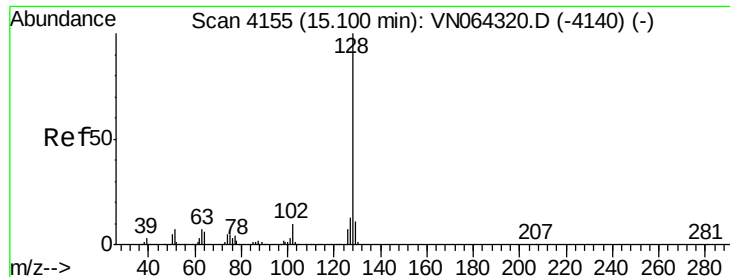
MMDadoda
 10/28/2020 12:35:36 PM



#94
 Hexachlorobutadiene
 Concen: 149.565 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064322.D
 Acq: 27 Oct 2020 12:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	285735		
223	63.1	31.3	93.8	
227	64.2	32.3	96.9	





#95

Naphthalene

Concen: 168.761 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1787457

Ion Ratio Lower Upper

128 100

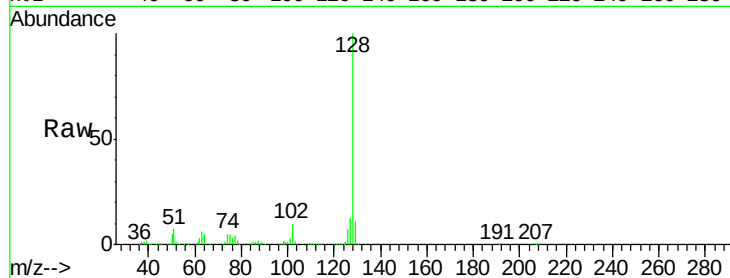
127 12.5 10.4 15.6

129 10.7 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

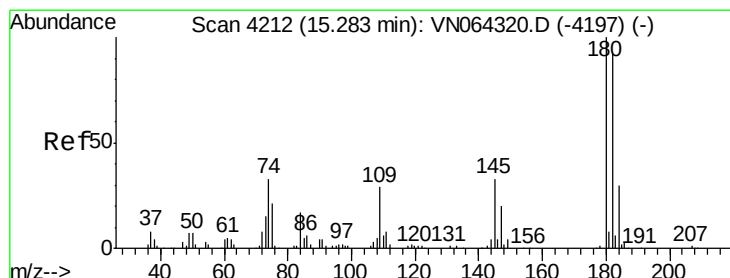
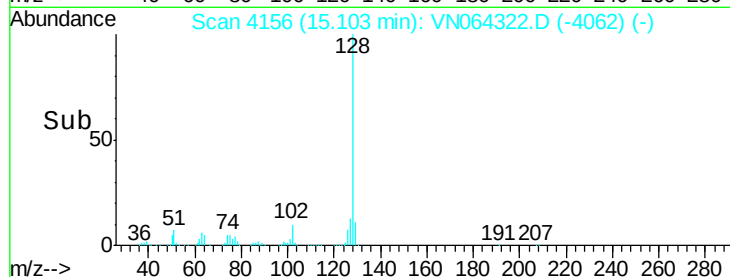
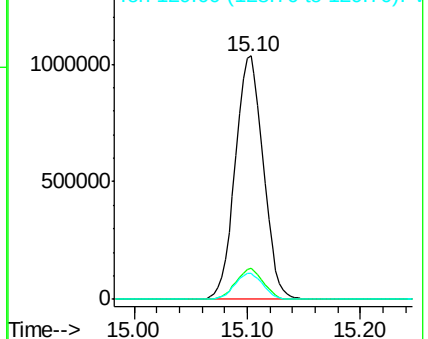
10/28/2020 12:35:36 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 159.522 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064322.D

Acq: 27 Oct 2020 12:04

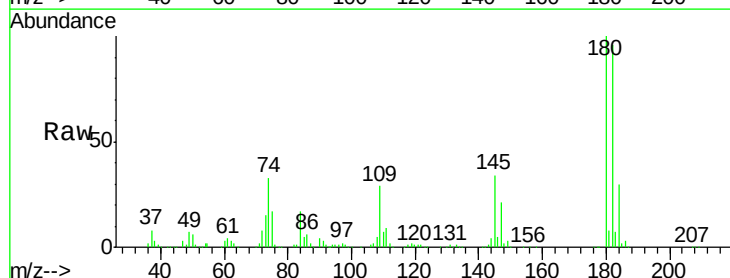
Tgt Ion:180 Resp: 557324

Ion Ratio Lower Upper

180 100

182 95.2 46.1 138.3

145 33.9 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

