

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111820\
 Data File : VN064705.D
 Acq On : 18 Nov 2020 13:49
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 2:10:08 PM

Quant Time: Nov 18 14:16:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 13:40:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	298881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	518622	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	488294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	262395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	818325	157.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	314.00%	
35) Dibromofluoromethane	7.55	113	442042	129.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.18%	
50) Toluene-d8	10.06	98	2214138	162.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.30%	
62) 4-Bromofluorobenzene	12.37	95	870610	169.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	339.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	542631	142.601	ug/l	99
3) Chloromethane	2.04	50	609363	133.171	ug/l	100
4) Vinyl Chloride	2.17	62	670060	142.184	ug/l	99
5) Bromomethane	2.51	94	479722	156.599	ug/l	98
6) Chloroethane	2.67	64	447062	146.224	ug/l	97
7) Trichlorofluoromethane	2.98	101	1110025	154.998	ug/l	98
8) Diethyl Ether	3.37	74	367281	147.117	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	477804	142.192	ug/l	98
10) Methyl Iodide	3.91	142	649068	165.997	ug/l	99
11) Tert butyl alcohol	4.74	59	395925	717.226	ug/l	98
12) 1,1-Dichloroethene	3.69	96	462944	146.412	ug/l	95
13) Acrolein	3.56	56	77636	249.249	ug/l	95
14) Allyl chloride	4.27	41	884858	145.683	ug/l	98
15) Acrylonitrile	4.93	53	1205101	776.151	ug/l	99
16) Acetone	3.78	43	961828	524.293	ug/l	99
17) Carbon Disulfide	4.01	76	1399574	148.876	ug/l	99
18) Methyl Acetate	4.28	43	594161	154.267	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1766781	156.078	ug/l	99
20) Methylene Chloride	4.50	84	555730	142.608	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	550976	153.958	ug/l	99
22) Diisopropyl ether	5.90	45	1989847	154.539	ug/l	96
23) Vinyl Acetate	5.84	43	7774141	745.377	ug/l	98
24) 1,1-Dichloroethane	5.80	63	1057623	148.049	ug/l	99
25) 2-Butanone	6.79	43	1692340	704.415	ug/l	100
26) 2,2-Dichloropropane	6.78	77	1012749	154.942	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	647586	156.829	ug/l	97
28) Bromochloromethane	7.15	49	561686	155.552	ug/l	99
29) Tetrahydrofuran	7.17	42	1141827	757.899	ug/l	99
30) Chloroform	7.33	83	1157093	153.280	ug/l	99
31) Cyclohexane	7.61	56	862123	141.081	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	1055167	156.884	ug/l	99
36) 1,1-Dichloropropene	7.75	75	859244	159.631	ug/l	100
37) Ethyl Acetate	6.88	43	759285	160.361	ug/l	99
38) Carbon Tetrachloride	7.73	117	926685	159.909	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	788524	164.158	ug/l	97
40) Benzene	8.00	78	2410437	152.647	ug/l	99
41) Methacrylonitrile	7.12	41	371298	155.069	ug/l	95
42) 1,2-Dichloroethane	8.08	62	996921	155.385	ug/l	99
43) Isopropyl Acetate	8.13	43	1372398	157.847	ug/l	99
44) Trichloroethene	8.80	130	648912	161.019	ug/l	97
45) 1,2-Dichloropropane	9.08	63	636886	151.564	ug/l	99
46) Dibromomethane	9.17	93	448157	159.456	ug/l	98
47) Bromodichloromethane	9.37	83	945883	157.377	ug/l	99
48) Methyl methacrylate	9.17	41	673474	153.868	ug/l	100
49) 1,4-Dioxane	9.17	88	159953	2814.459	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	3919103	777.289	ug/l	97
52) Toluene	10.12	92	1556730	161.419	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	1081609	170.578	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	1115347	165.375	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	593084	156.879	ug/l	98
56) Ethyl methacrylate	10.40	69	934346	171.441	ug/l	98
57) 1,3-Dichloropropane	10.68	76	1038454	157.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	2565630	933.997	ug/l	100
59) 2-Hexanone	10.72	43	2903858	796.960	ug/l	97
60) Dibromochloromethane	10.87	129	713674	168.685	ug/l	100
61) 1,2-Dibromoethane	10.98	107	634690	165.283	ug/l	100
64) Tetrachloroethene	10.60	164	659335	172.551	ug/l	98
65) Chlorobenzene	11.41	112	1654026	156.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	636325	161.936	ug/l	98
67) Ethyl Benzene	11.48	91	3058718	163.786	ug/l	99
68) m/p-Xylenes	11.59	106	2291305	337.294	ug/l	94
69) o-Xylene	11.92	106	1102250	168.135	ug/l	99
70) Styrene	11.94	104	1940357	175.582	ug/l	99
71) Bromoform	12.10	173	469334	177.289	ug/l	100
73) Isopropylbenzene	12.22	105	2890460	142.305	ug/l	100
74) N-amyl acetate	12.04	43	1387081	156.398	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	767667	124.112	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	857866m	138.394	ug/l	
77) Bromobenzene	12.50	156	691338	138.419	ug/l	100
78) n-propylbenzene	12.56	91	3394691	146.295	ug/l	100
79) 2-Chlorotoluene	12.65	91	2091646	141.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2462998	146.374	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	328325	148.736	ug/l	94
82) 4-Chlorotoluene	12.75	91	2271179	146.838	ug/l	100
83) tert-Butylbenzene	12.97	119	1954133	148.408	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2527218	149.697	ug/l	99
85) sec-Butylbenzene	13.14	105	2559242	153.385	ug/l	100
86) p-Isopropyltoluene	13.26	119	2445643	162.476	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	1299043	150.022	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	1315191	146.896	ug/l	99
89) n-Butylbenzene	13.59	91	2242560	172.151	ug/l	99
90) Hexachloroethane	13.85	117	409954	144.309	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1269123	152.815	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	203181	160.964	ug/l	98

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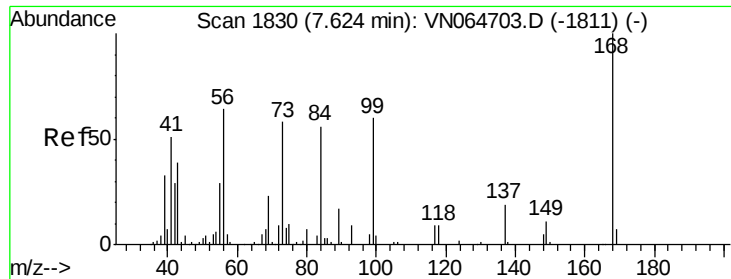
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	688094	197.683	ug/l	99
94) Hexachlorobutadiene	14.98	225	275745	160.504	ug/l	99
95) Naphthalene	15.10	128	2383606	207.762	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	652486	187.832	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064705.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 298881

Ion Ratio Lower Upper

168 100

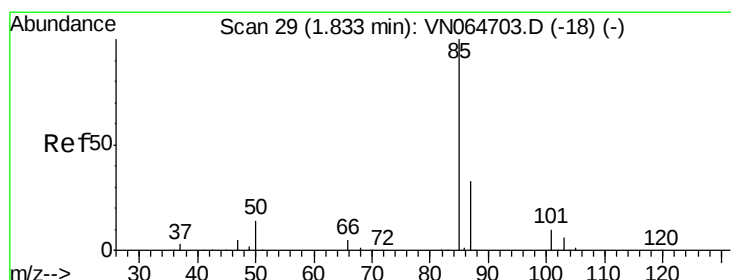
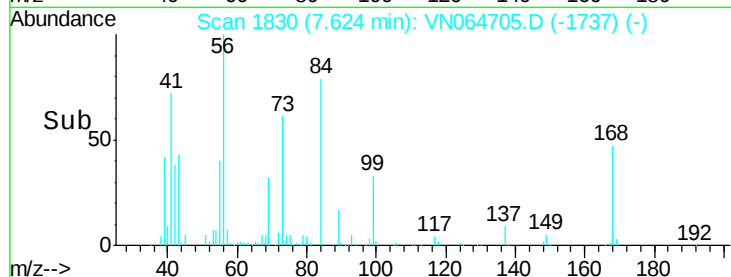
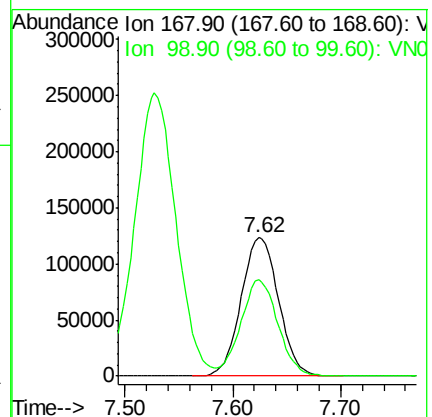
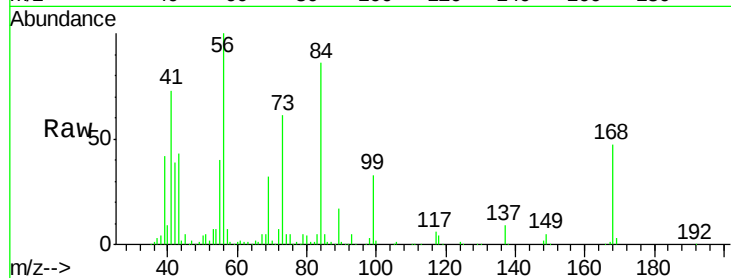
99 69.1 55.7 83.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 142.601 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064705.D

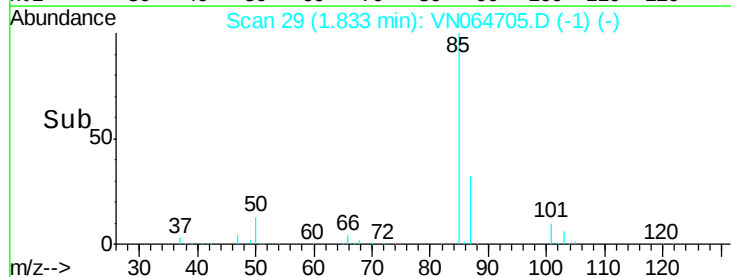
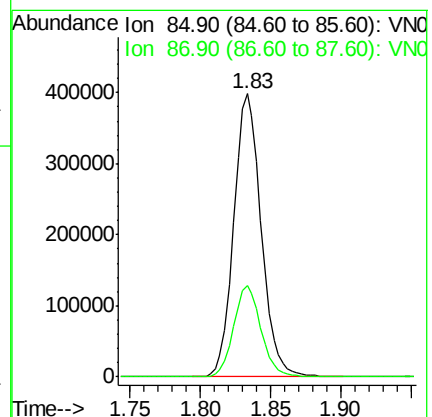
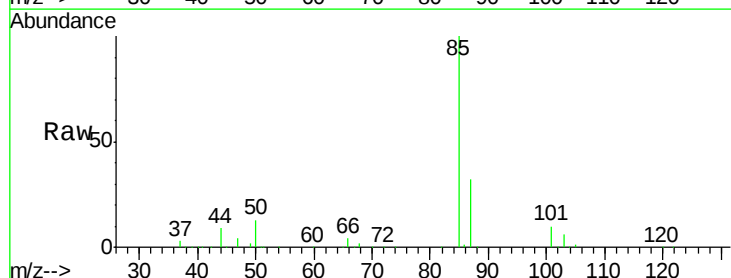
Acq: 18 Nov 2020 13:49

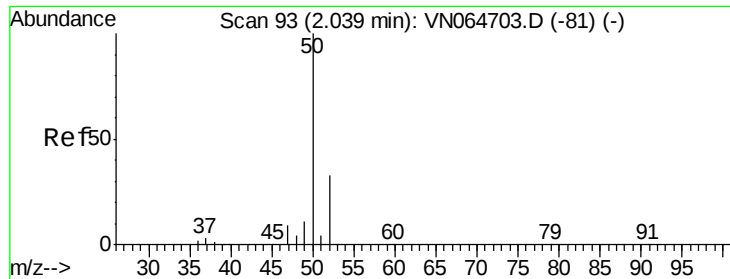
Tgt Ion: 85 Resp: 542631

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2





#3

Chloromethane

Concen: 133.171 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 609363

Ion Ratio Lower Upper

50 100

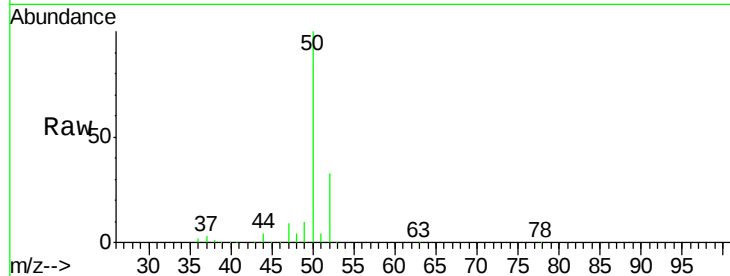
52 33.0 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

400000

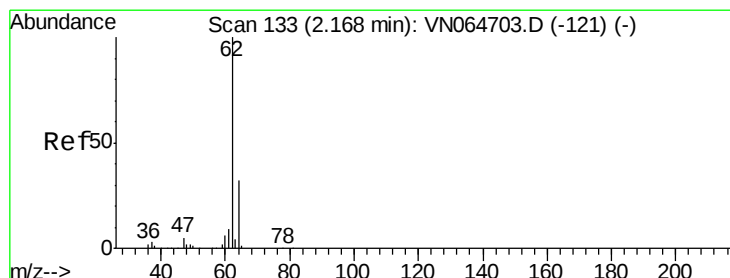
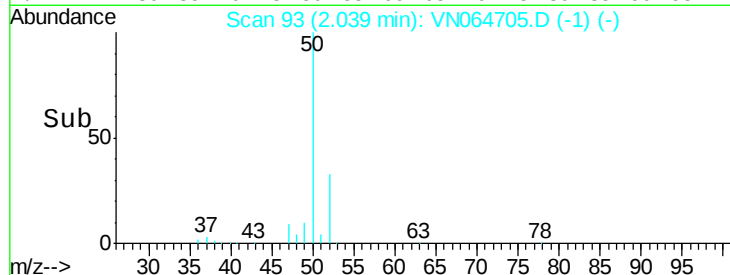
300000

200000

100000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 142.184 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064705.D

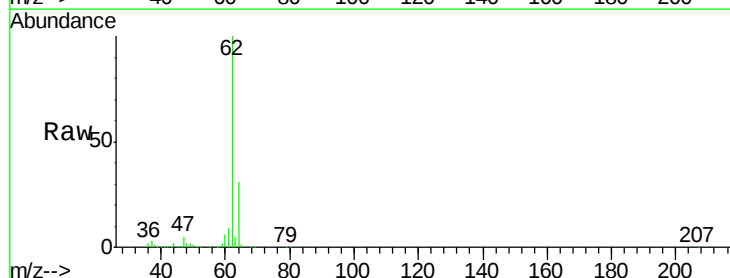
Acq: 18 Nov 2020 13:49

Tgt Ion: 62 Resp: 670060

Ion Ratio Lower Upper

62 100

64 31.1 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

500000

400000

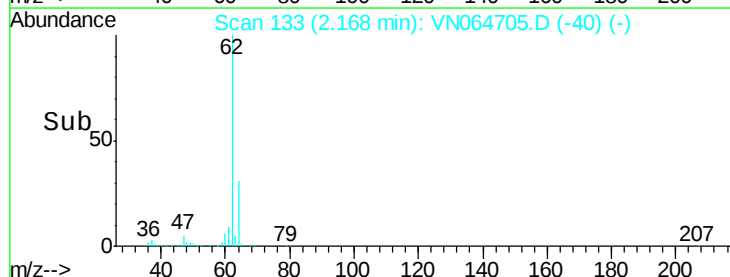
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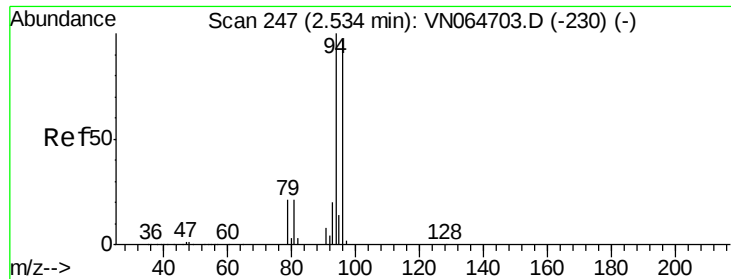
200000

100000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 156.599 ug/l

RT: 2.51 min Scan# 241

Delta R.T. -0.02 min

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Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 479722

Ion Ratio Lower Upper

94 100

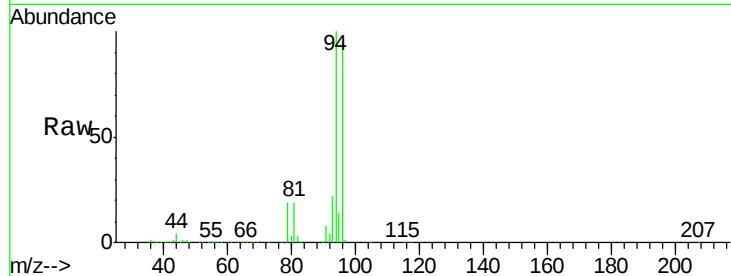
96 94.9 77.8 116.8

Manual Integrations

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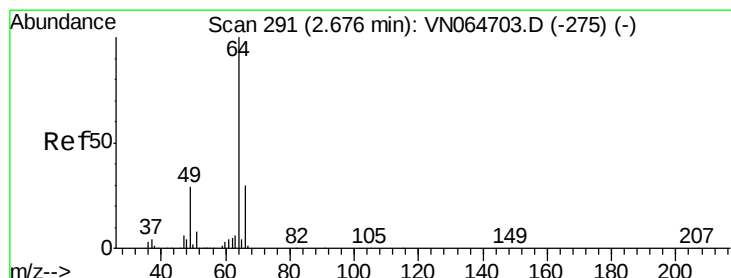
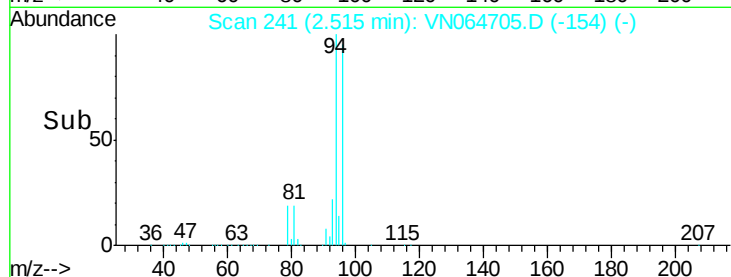
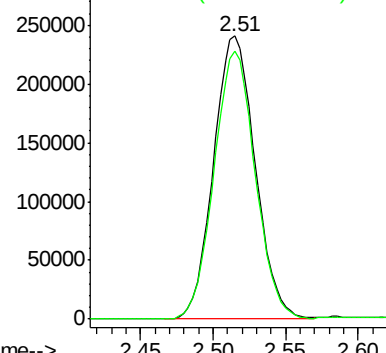
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 146.224 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064705.D

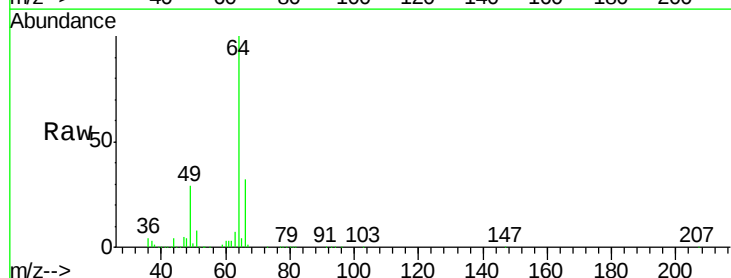
Acq: 18 Nov 2020 13:49

Tgt Ion: 64 Resp: 447062

Ion Ratio Lower Upper

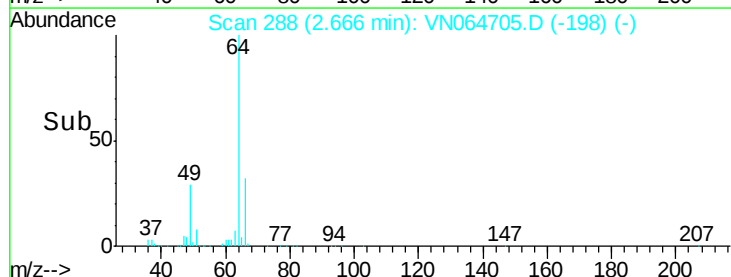
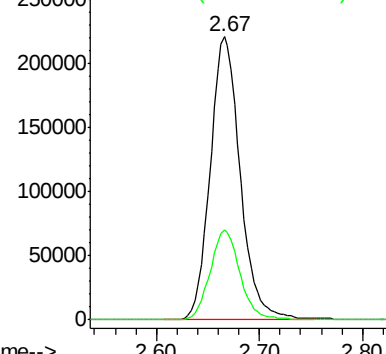
64 100

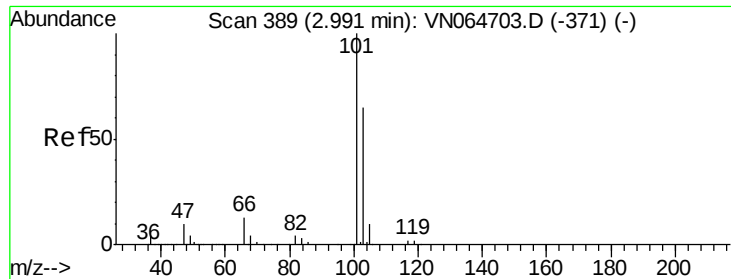
66 31.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

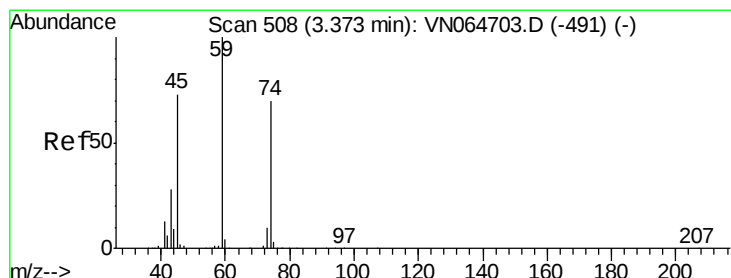
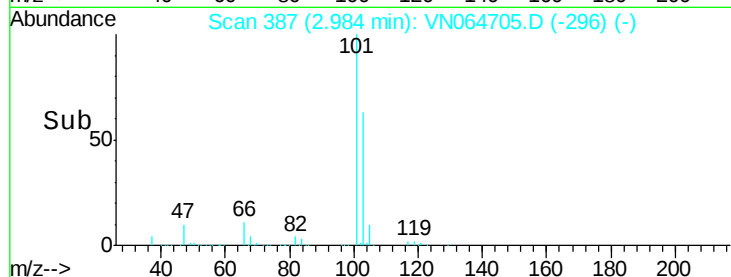
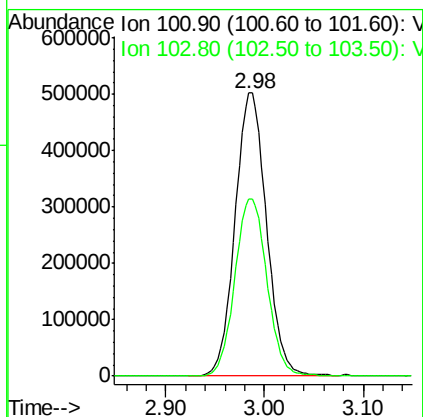
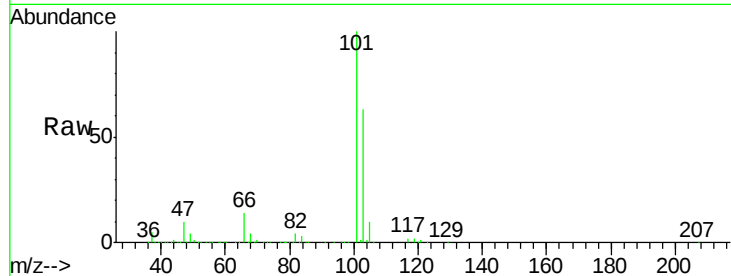
Trichlorofluoromethane
Concen: 154.998 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1110025
Ion Ratio Lower Upper
101 100
103 62.8 51.8 77.6

Manual Integrations
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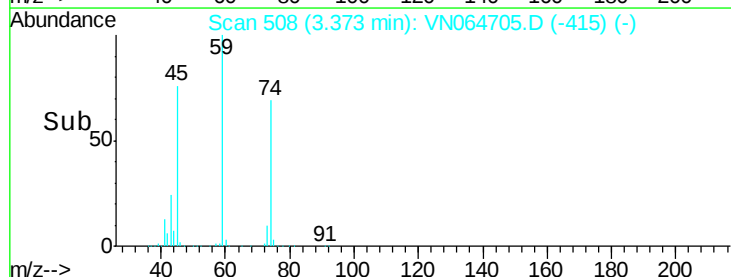
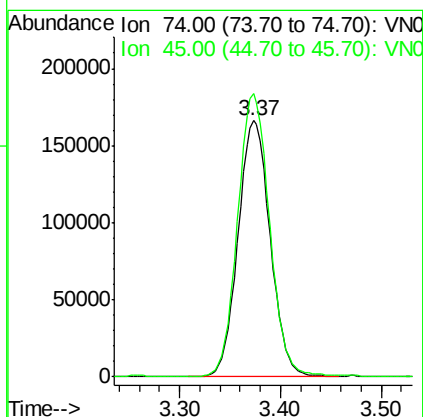
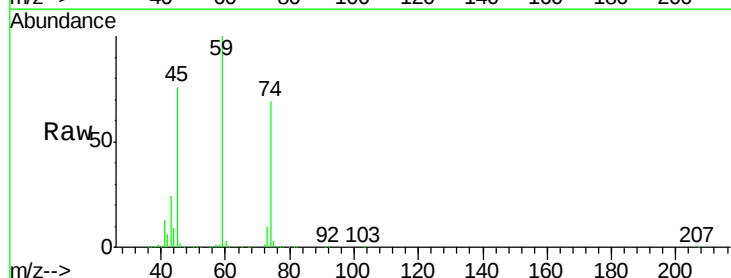
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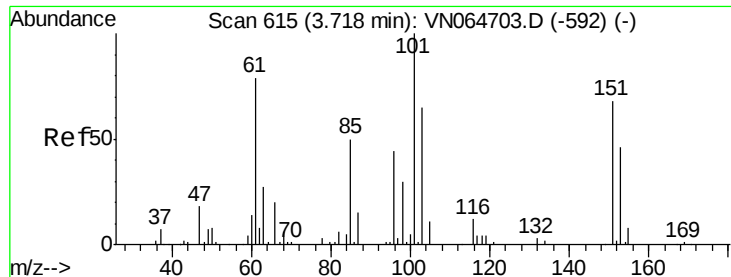


#8

Diethyl Ether
Concen: 147.117 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 74 Resp: 367281
Ion Ratio Lower Upper
74 100
45 109.7 52.8 158.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 142.192 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

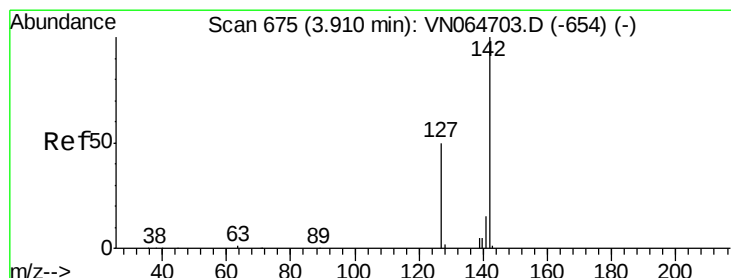
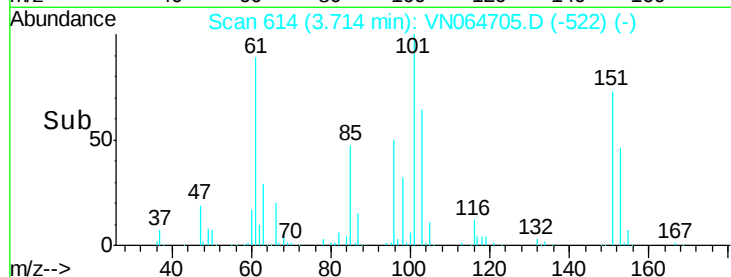
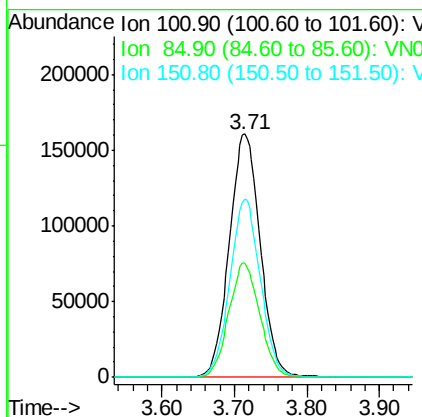
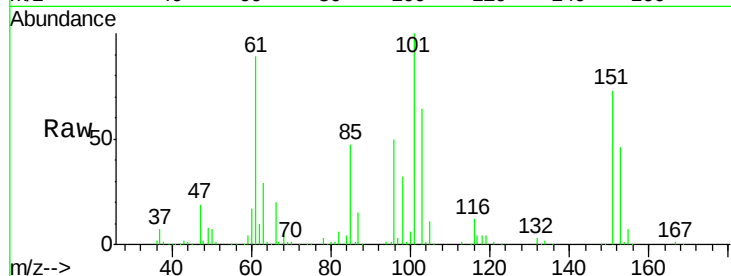
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	477804
Ion Ratio	Lower	Upper	
101	100		
85	47.1	39.0	58.4
151	72.2	57.2	85.8

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 165.997 ug/l

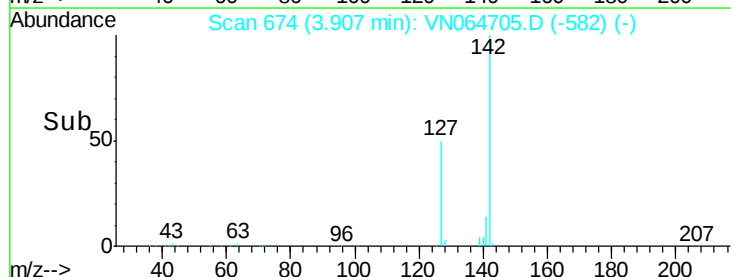
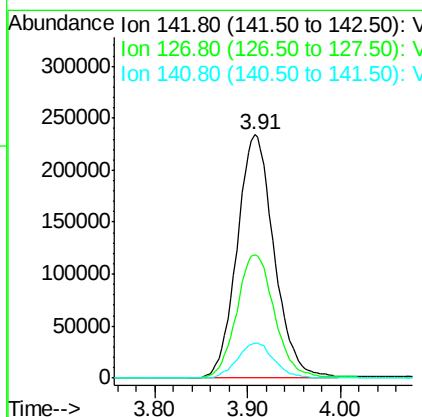
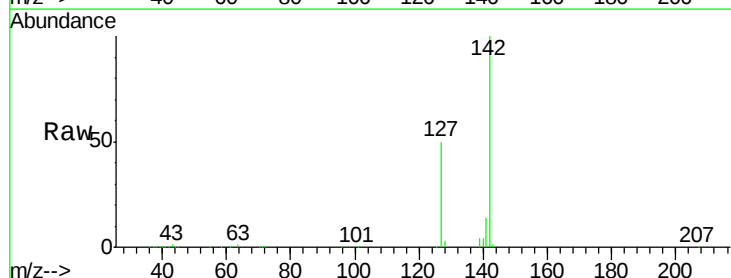
RT: 3.91 min Scan# 674

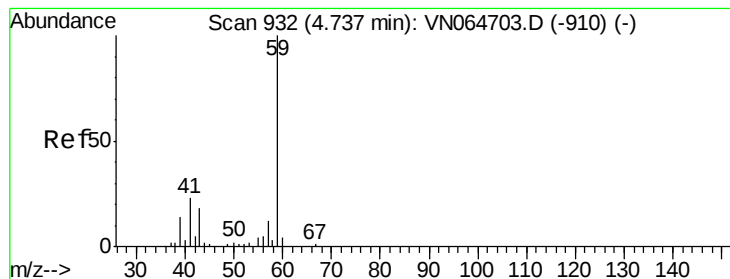
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	142	Resp:	649068
Ion Ratio	Lower	Upper	
142	100		
127	51.7	42.0	63.0
141	14.6	12.1	18.1





#11

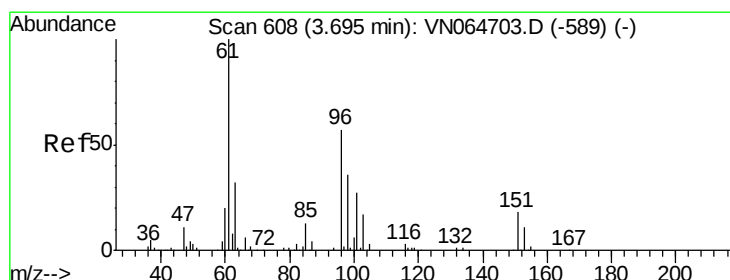
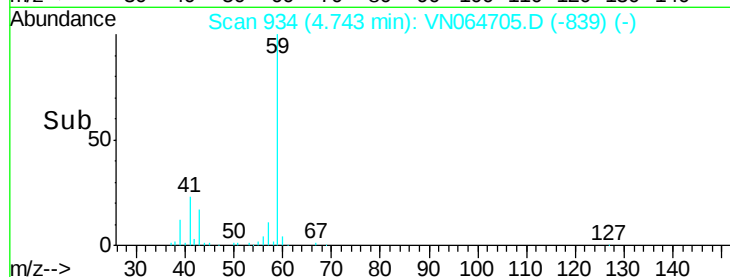
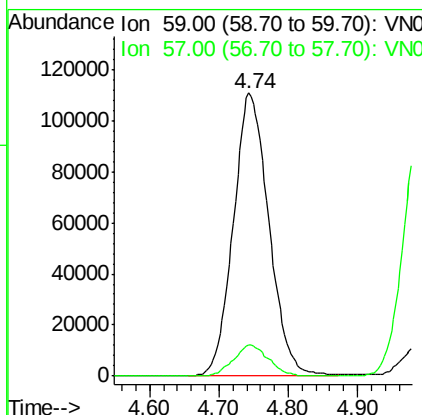
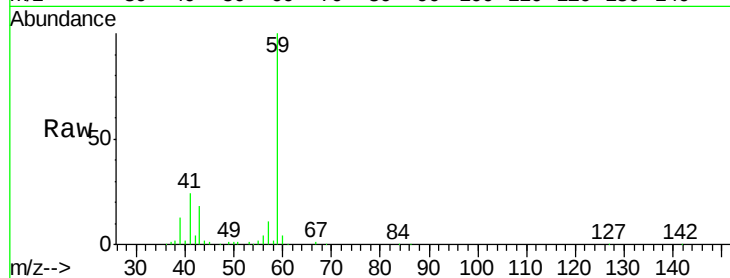
Tert butyl alcohol
Concen: 717.226 ug/l
RT: 4.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
59	100	395925		
57	10.7		9.1	13.7

Manual Integrations
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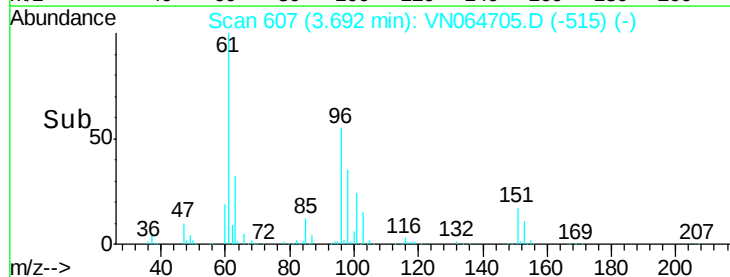
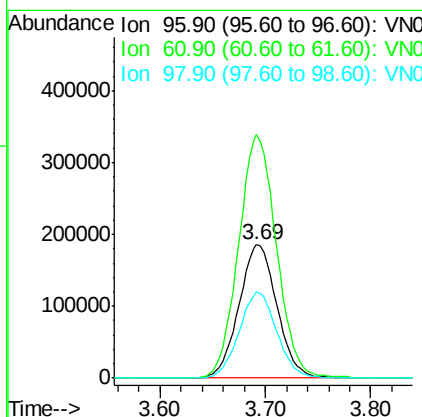
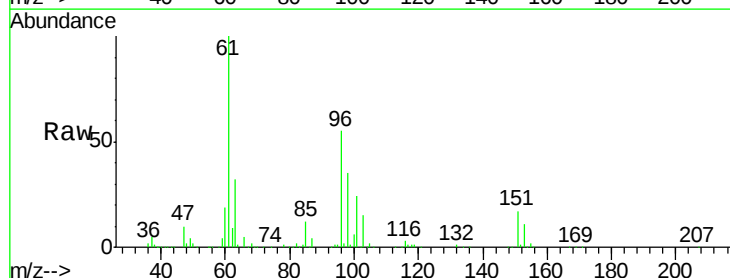
MMDadoda
11/19/2020 2:10:08 PM

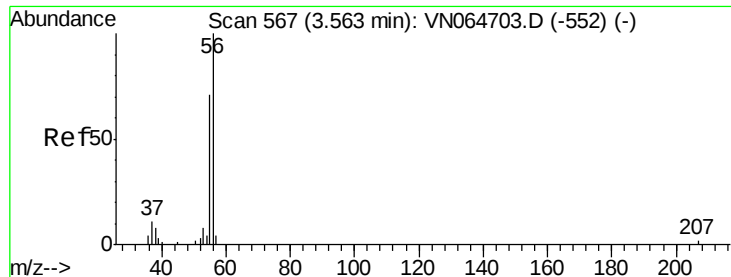


#12

1,1-Dichloroethene
Concen: 146.412 ug/l
RT: 3.69 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	462944		
61	182.6		139.1	208.7
98	64.3		50.2	75.2





#13

Acrolein

Concen: 249.249 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 77636

Ion Ratio Lower Upper

56 100

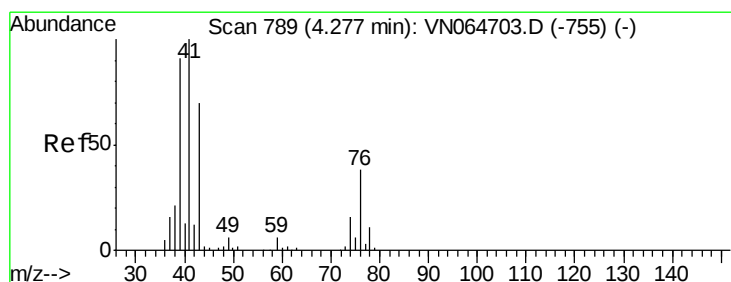
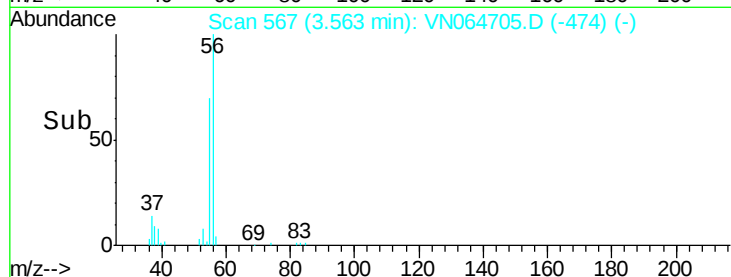
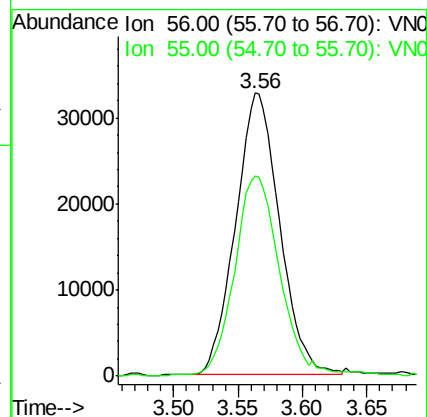
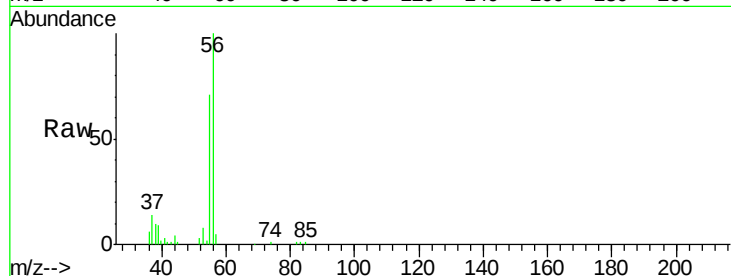
55 73.0 61.8 92.6

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 145.683 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

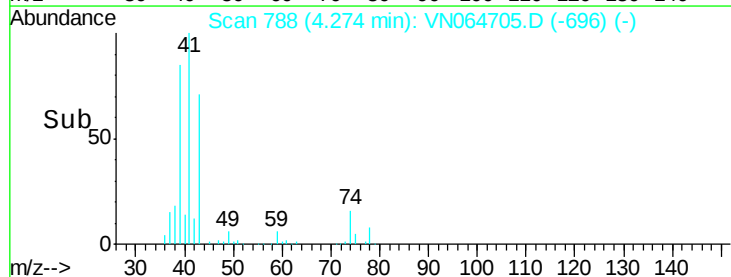
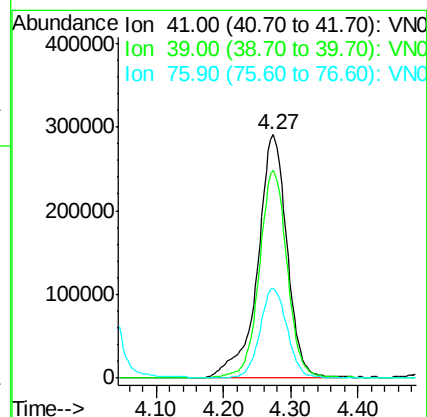
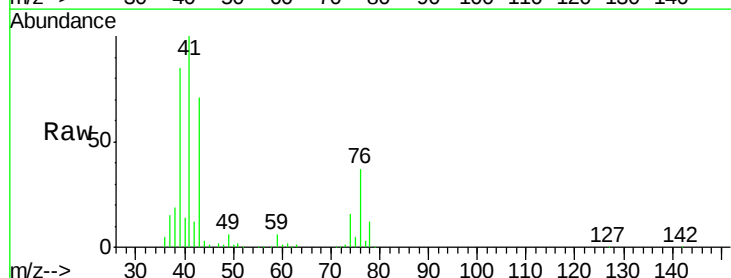
Tgt Ion: 41 Resp: 884858

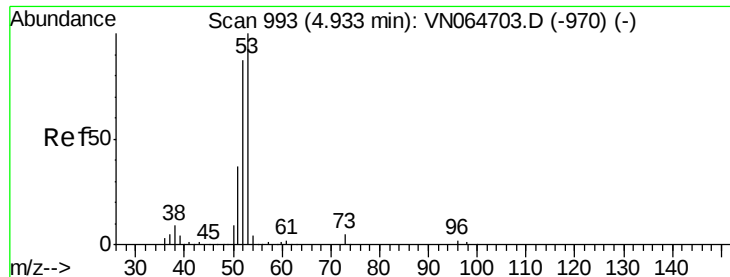
Ion Ratio Lower Upper

41 100

39 80.6 66.1 99.1

76 33.3 26.6 40.0





#15

Acrylonitrile

Concen: 776.151 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1205101

Ion Ratio Lower Upper

53 100

52 83.0 67.2 100.8

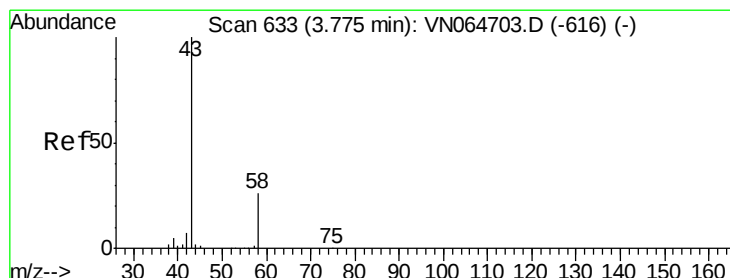
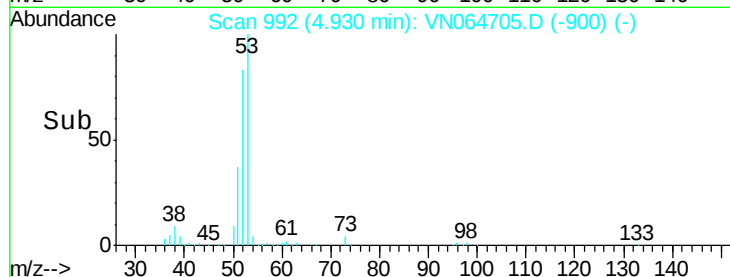
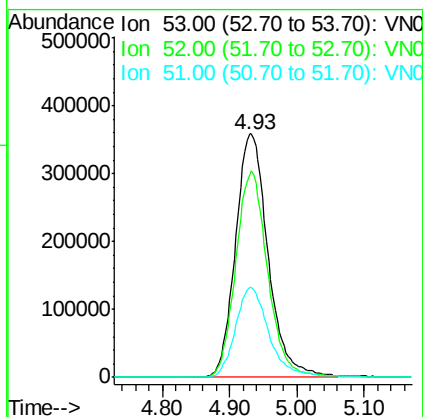
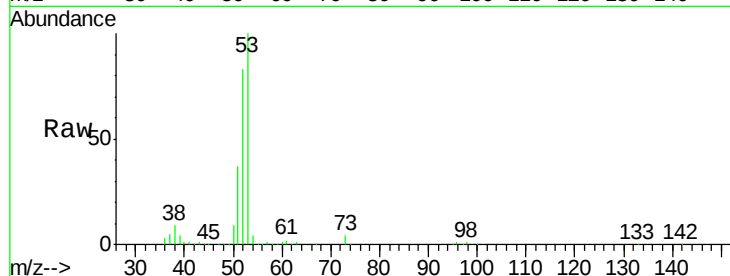
51 38.0 31.0 46.6

Manual Integrations

APPROVED

MMDadoda

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#16

Acetone

Concen: 524.293 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064705.D

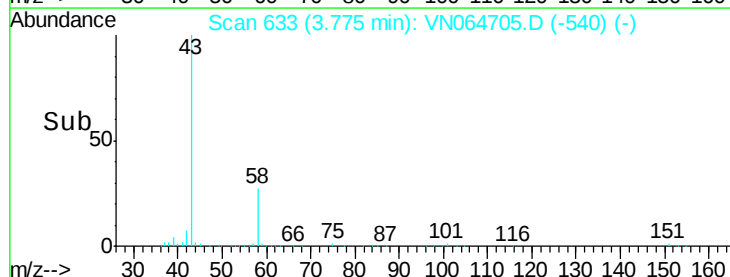
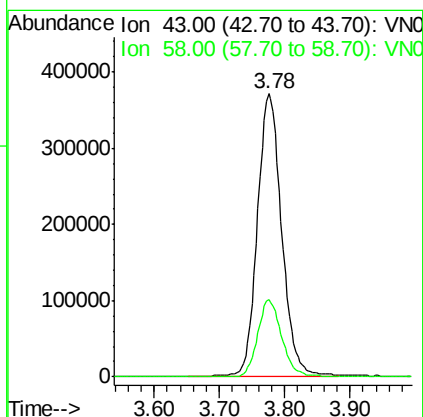
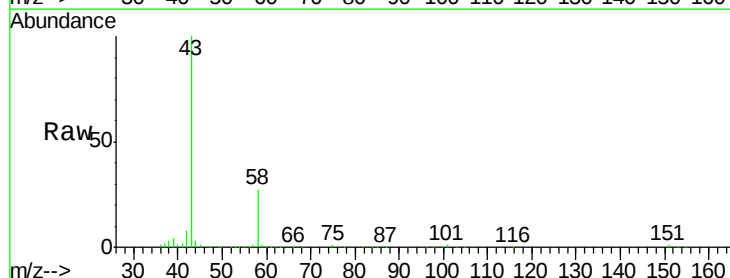
Acq: 18 Nov 2020 13:49

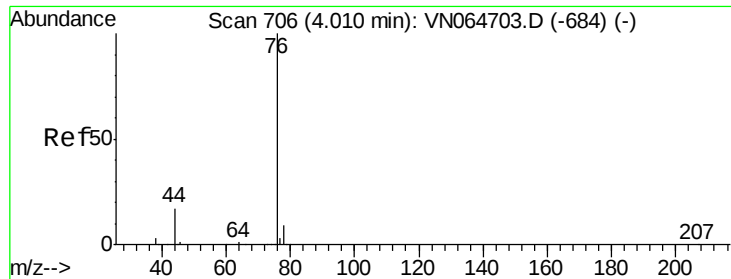
Tgt Ion: 43 Resp: 961828

Ion Ratio Lower Upper

43 100

58 27.2 21.2 31.8





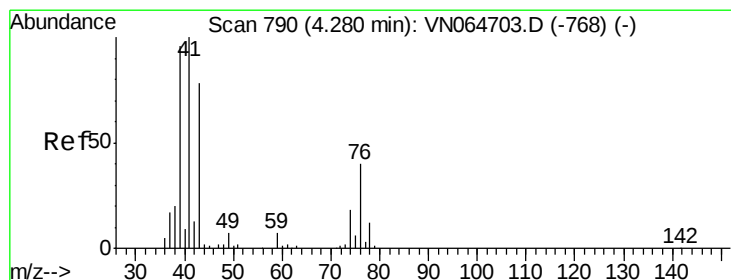
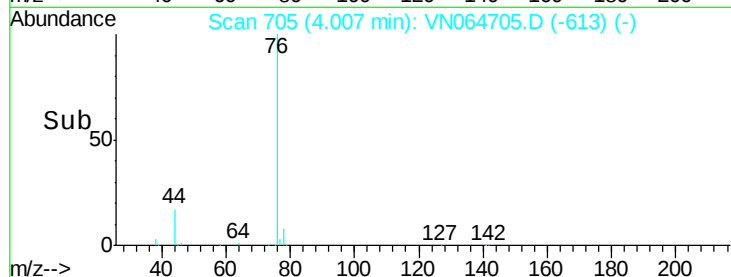
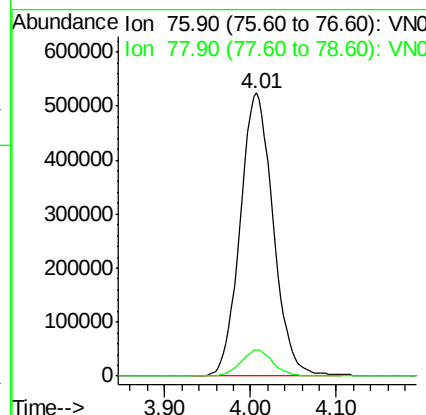
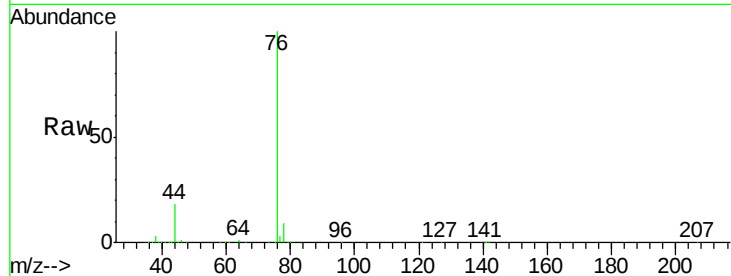
#17
Carbon Disulfide
Concen: 148.876 ug/l
RT: 4.01 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1399574
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

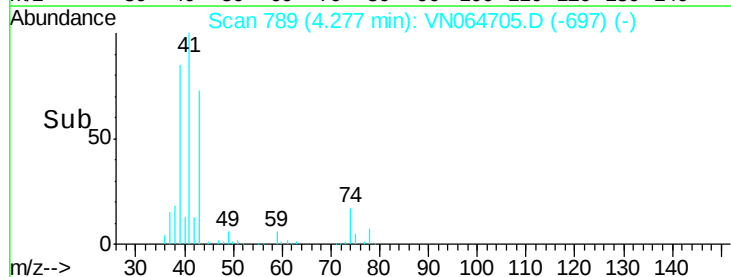
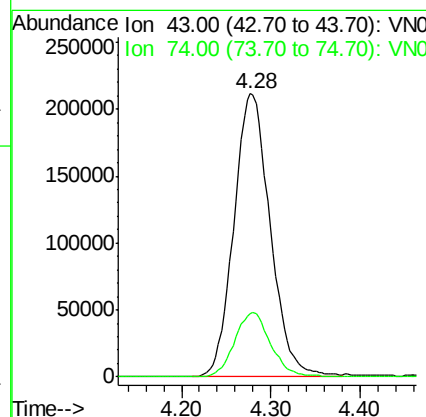
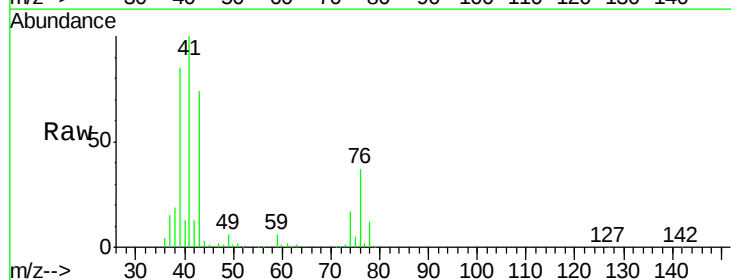
Manual Integrations
APPROVED

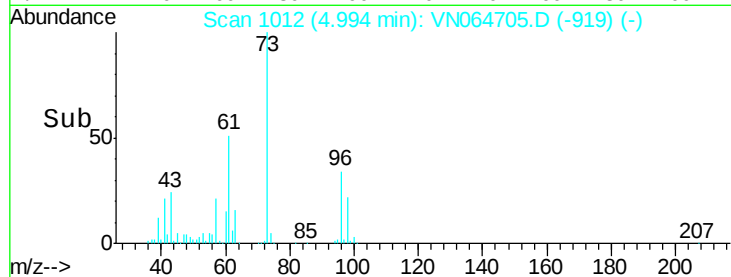
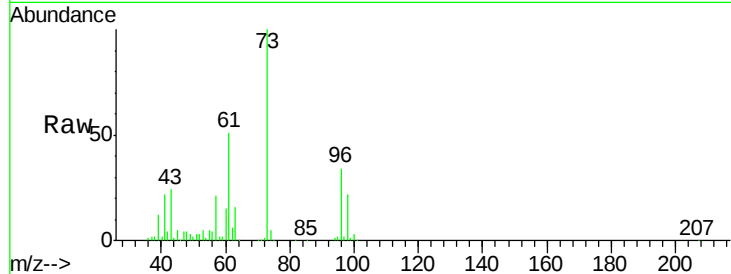
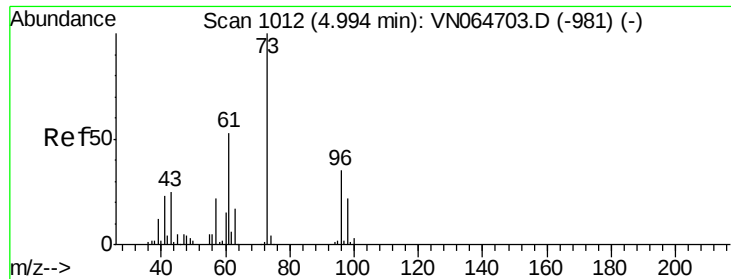
MMDadoda
11/19/2020 2:10:08 PM



#18
Methyl Acetate
Concen: 154.267 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 43 Resp: 594161
Ion Ratio Lower Upper
43 100
74 22.8 17.6 26.4





#19

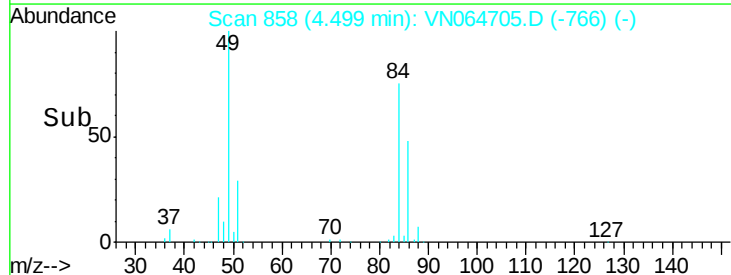
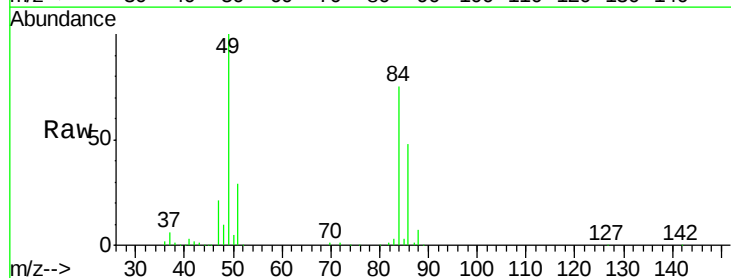
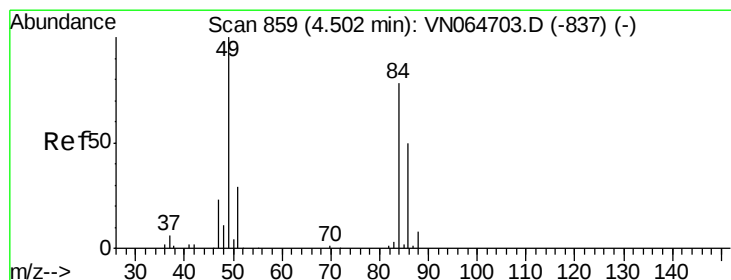
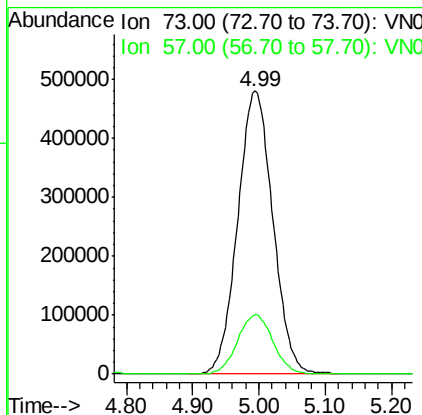
Methyl tert-butyl Ether
 Concen: 156.078 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tot Ion: 73 Resp: 1766781
 Ion Ratio Lower Upper
 73 100
 57 21.0 17.3 25.9

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

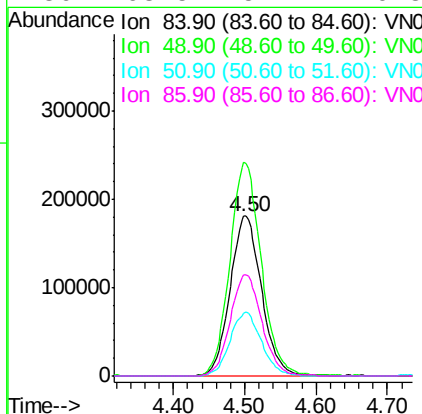
MMDadoda
 11/19/2020 2:10:08 PM

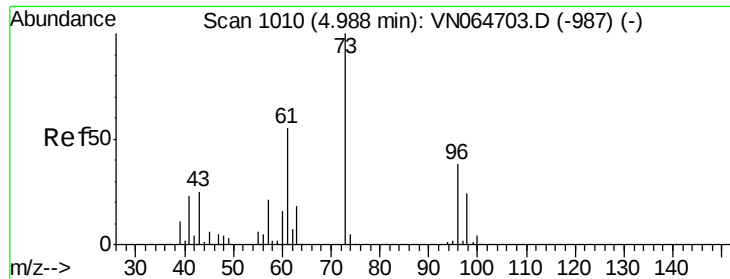


#20

Methylene Chloride
 Concen: 142.608 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion: 84 Resp: 555730
 Ion Ratio Lower Upper
 84 100
 49 133.6 102.4 153.6
 51 39.1 29.4 44.2
 86 63.5 51.2 76.8





#21

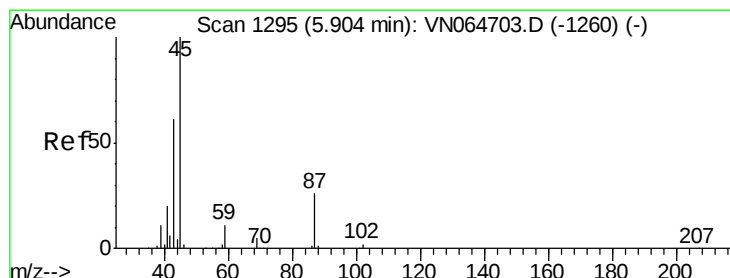
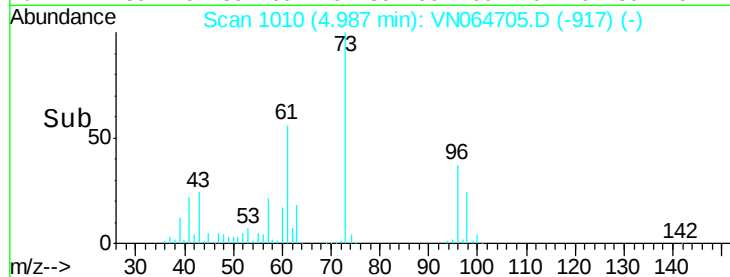
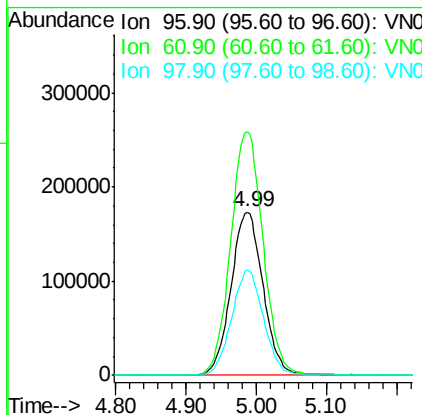
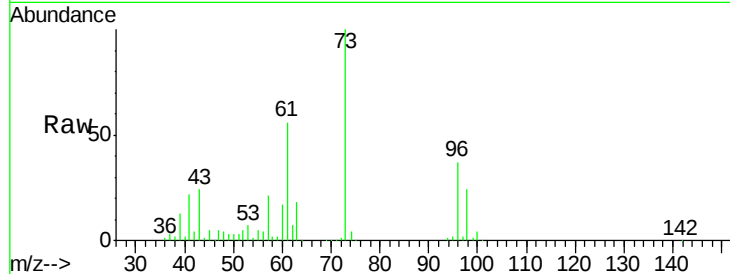
trans-1,2-Dichloroethene
Concen: 153.958 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.8	117.9	176.9
98	64.7	51.1	76.7

Manual Integrations
APPROVED

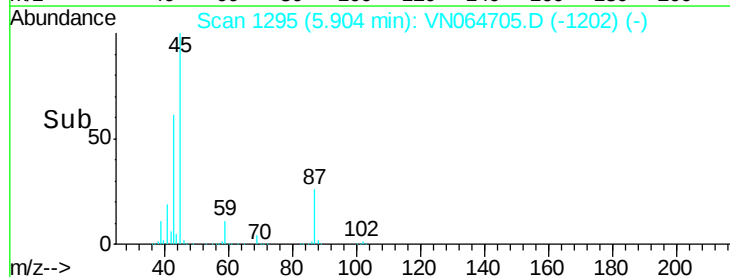
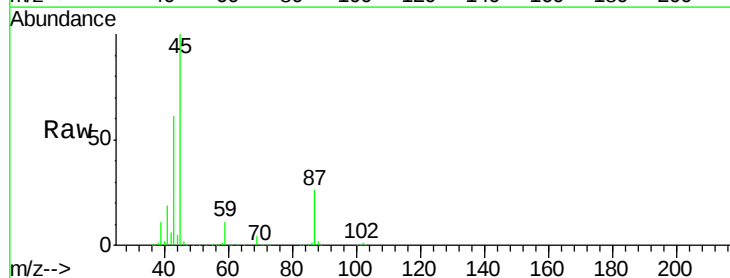
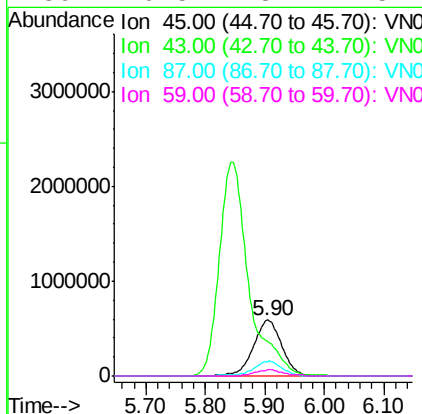
MMDadoda
11/19/2020 2:10:08 PM

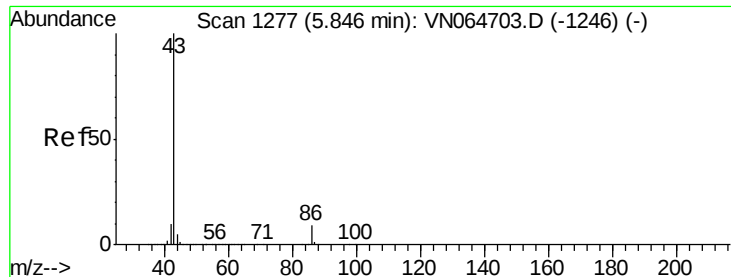


#22

Diisopropyl ether
Concen: 154.539 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	52.3	78.5
87	26.3	21.6	32.4
59	10.5	8.7	13.1





#23

Vinyl Acetate

Concen: 745.377 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7774141

Ion Ratio Lower Upper

43 100

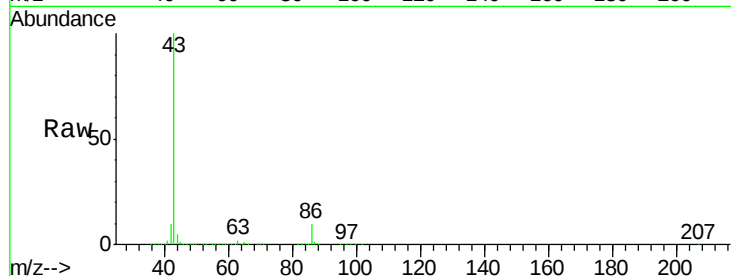
86 9.8 7.4 11.0

Manual Integrations

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MMDadoda

11/19/2020 2:10:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

2500000

2000000

1500000

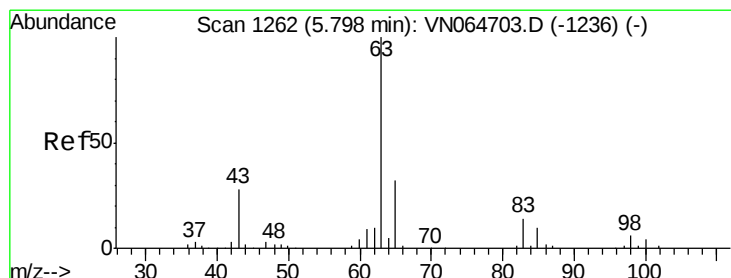
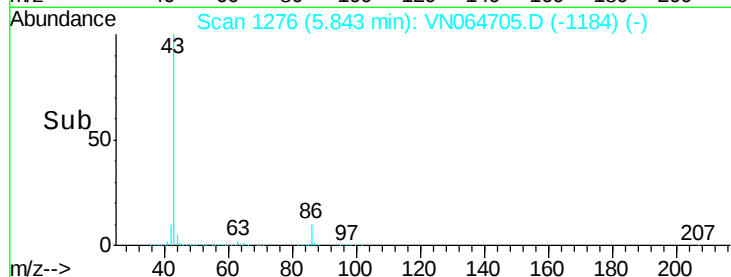
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 148.049 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

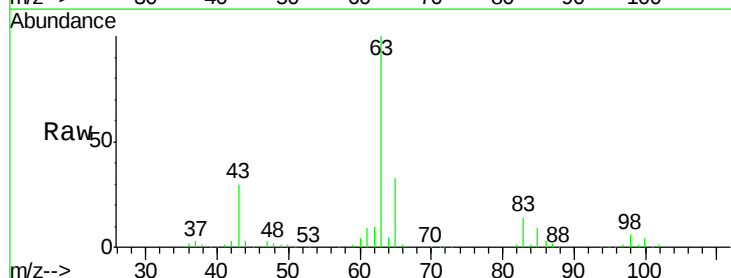
Tgt Ion: 63 Resp: 1057623

Ion Ratio Lower Upper

63 100

98 5.9 3.2 9.6

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

400000

300000

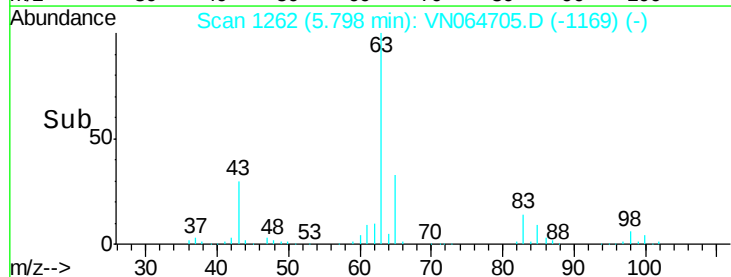
200000

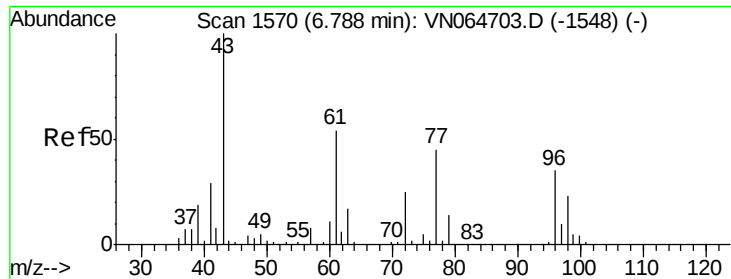
100000

0

Time-->

5.70 5.80 5.90





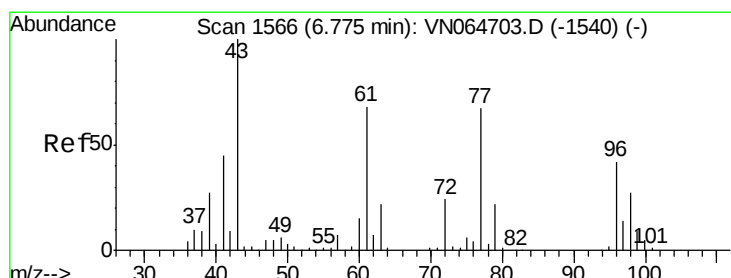
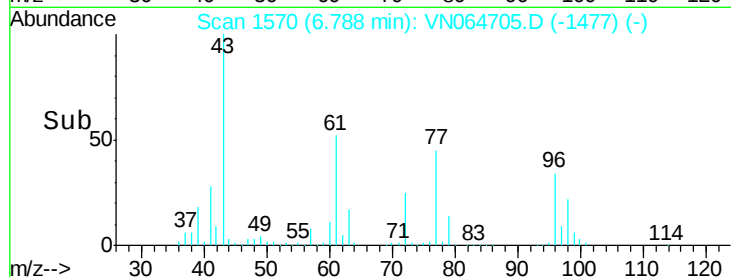
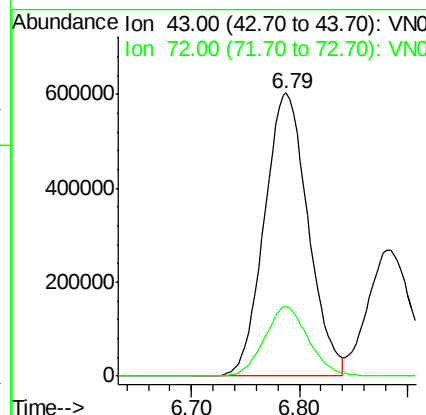
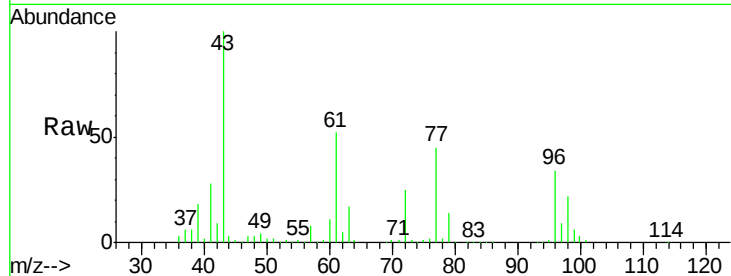
#25
2-Butanone
Concen: 704.415 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1692340
Ion Ratio Lower Upper
43 100
72 24.8 19.7 29.5

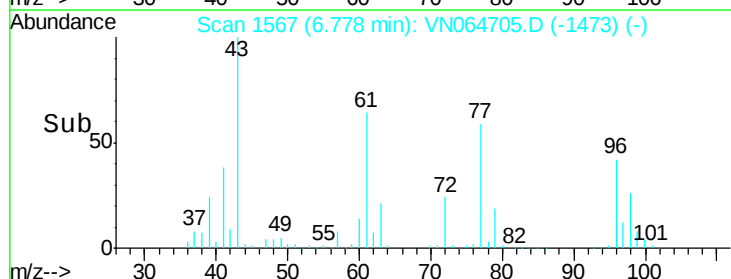
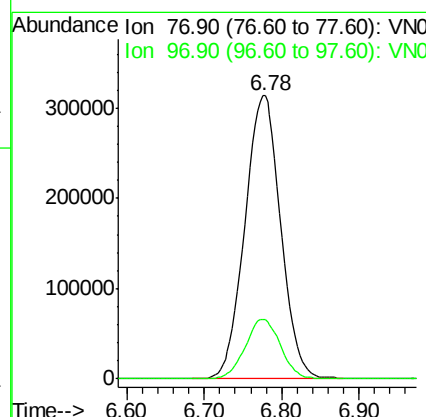
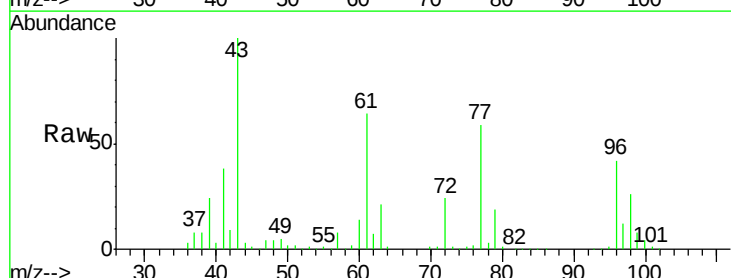
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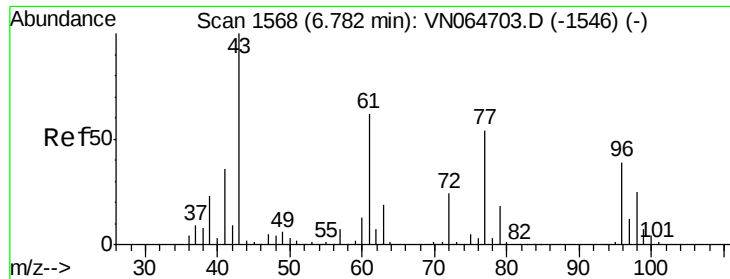
MMDadoda
11/19/2020 2:10:08 PM



#26
2,2-Dichloropropane
Concen: 154.942 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 77 Resp: 1012749
Ion Ratio Lower Upper
77 100
97 20.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 156.829 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

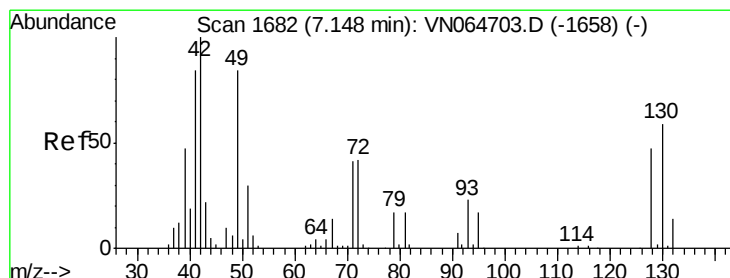
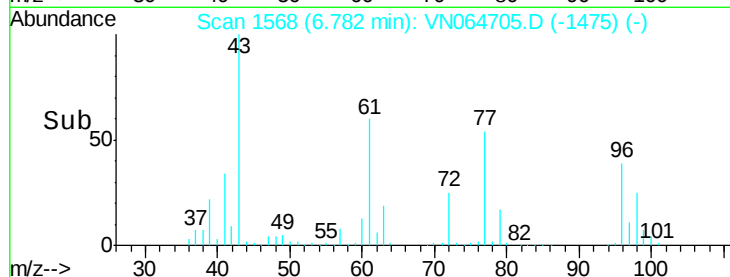
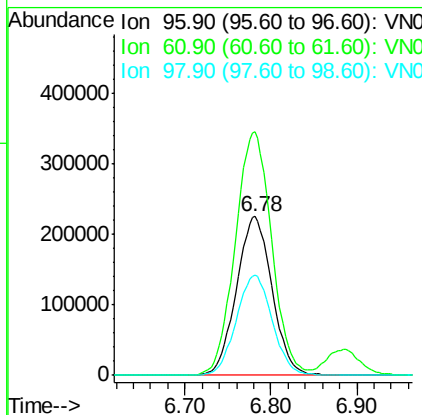
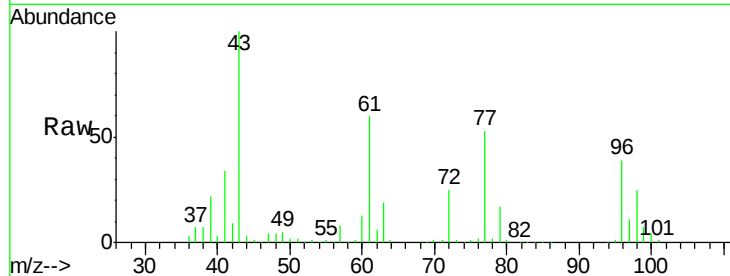
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	647586
Ion Ratio	Lower	Upper	
96	100		
61	156.7	0.0	322.6
98	63.9	0.0	128.6

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#28

Bromochloromethane

Concen: 155.552 ug/l

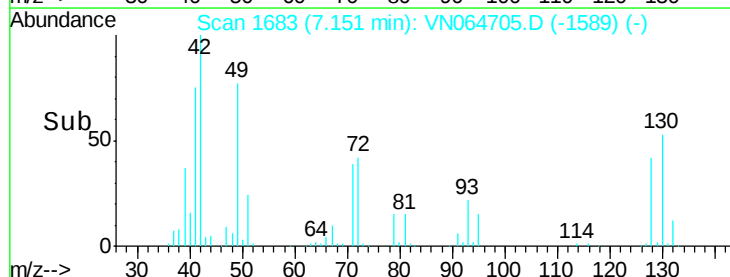
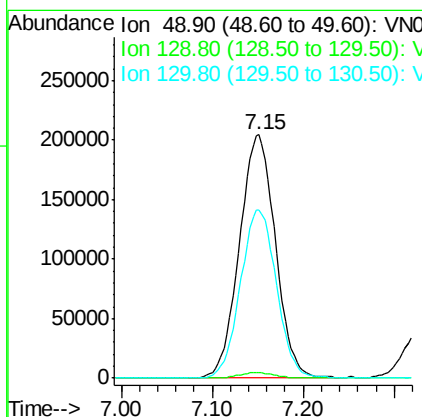
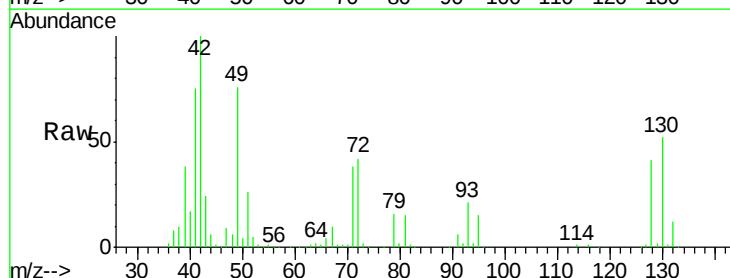
RT: 7.15 min Scan# 1683

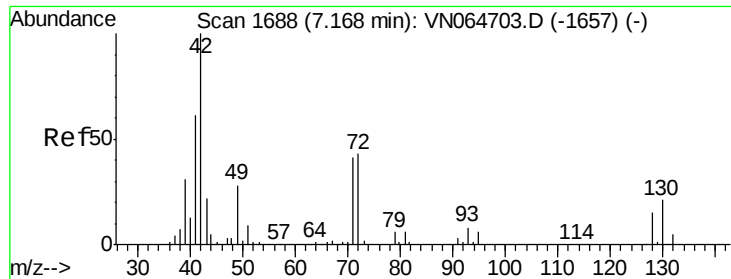
Delta R.T. 0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	49	Resp:	561686
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	69.3	56.2	84.4





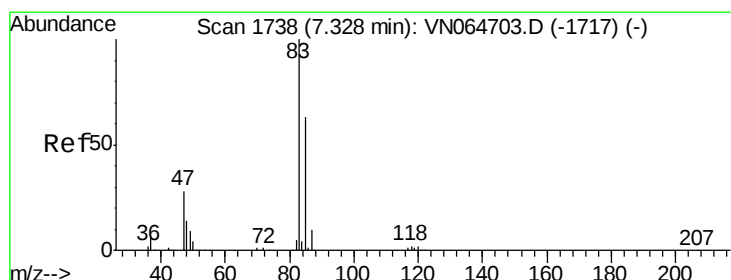
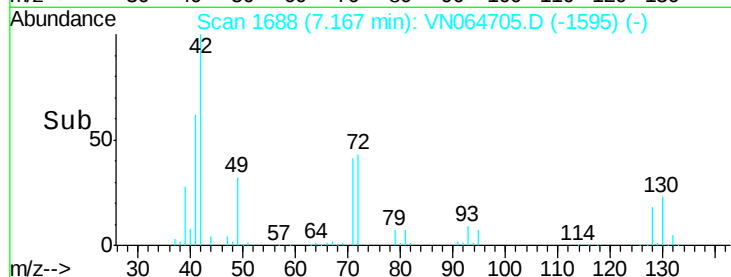
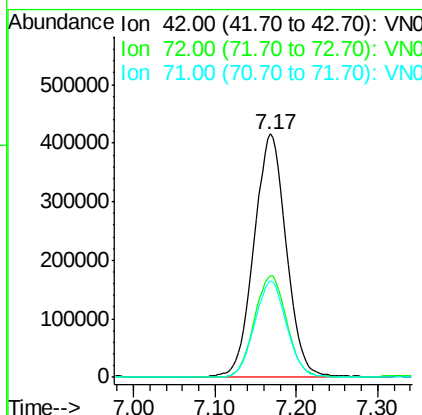
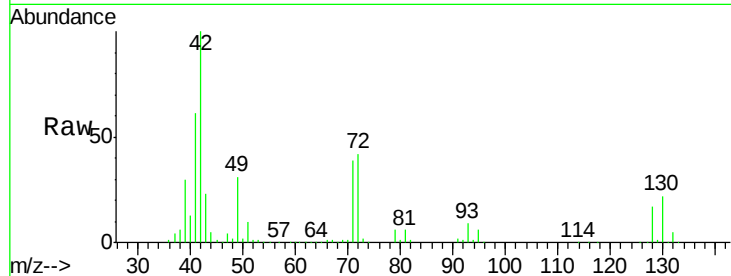
#29
Tetrahydrofuran
Concen: 757.899 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1141827
Ion Ratio Lower Upper
42 100
72 42.0 33.0 49.4
71 39.3 31.8 47.6

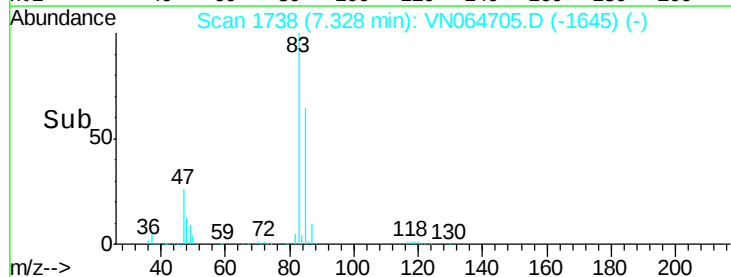
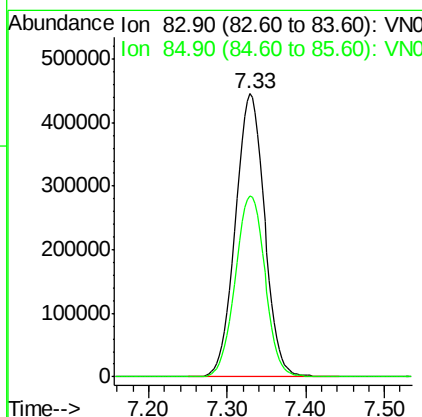
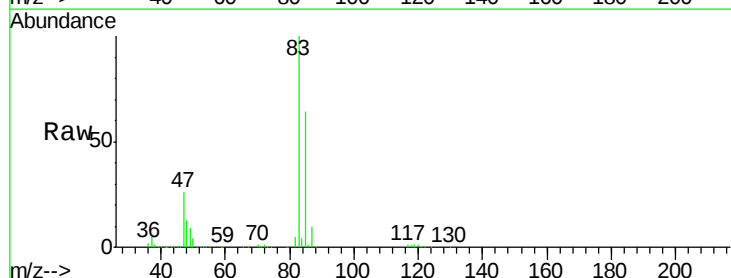
Manual Integrations
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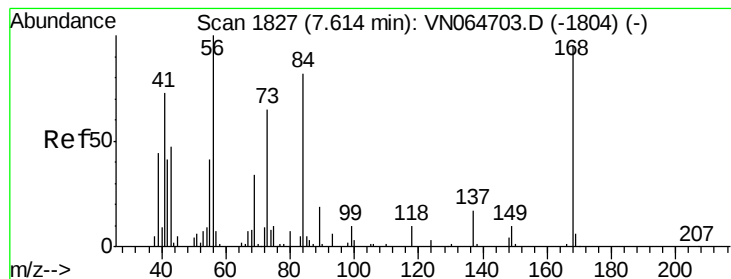
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#30
Chloroform
Concen: 153.280 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 83 Resp: 1157093
Ion Ratio Lower Upper
83 100
85 63.9 50.6 75.8





#31

Cyclohexane

Concen: 141.081 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

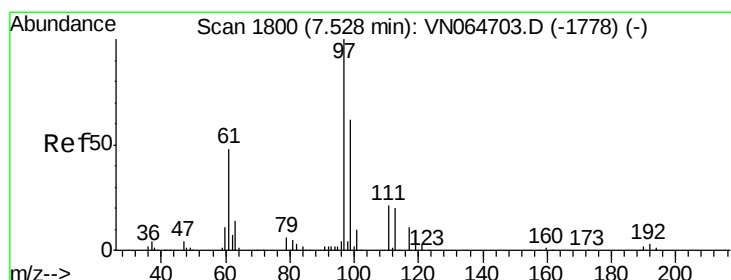
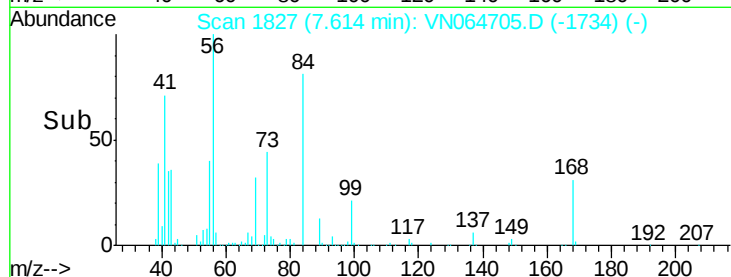
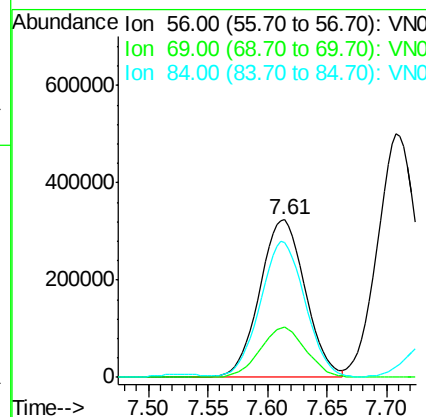
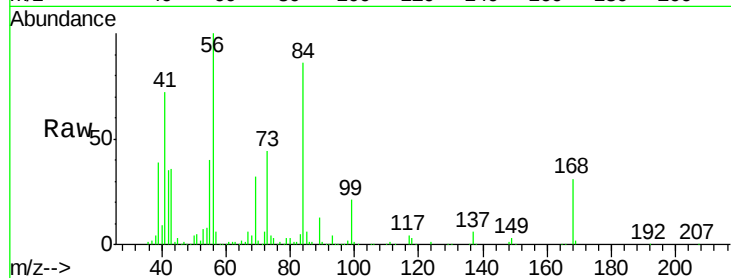
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	862123
Ion Ratio	Lower	Upper	
56	100		
69	31.6	27.2	40.8
84	84.0	65.9	98.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 156.884 ug/l

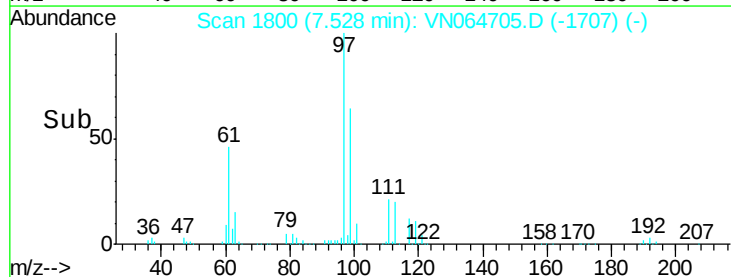
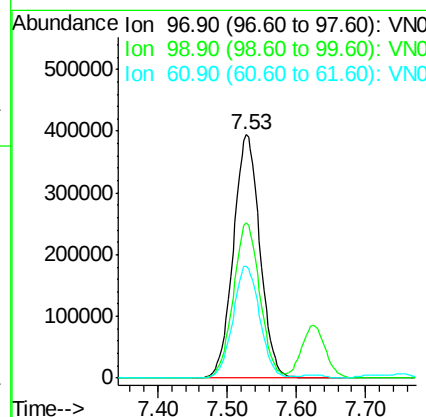
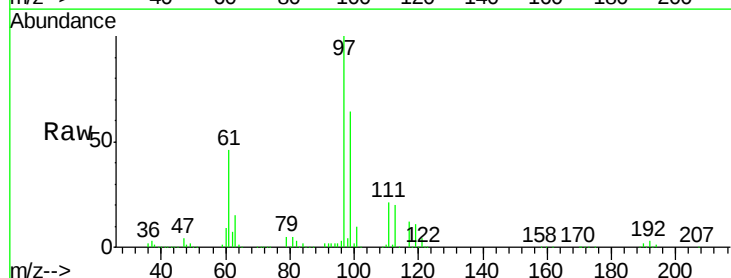
RT: 7.53 min Scan# 1800

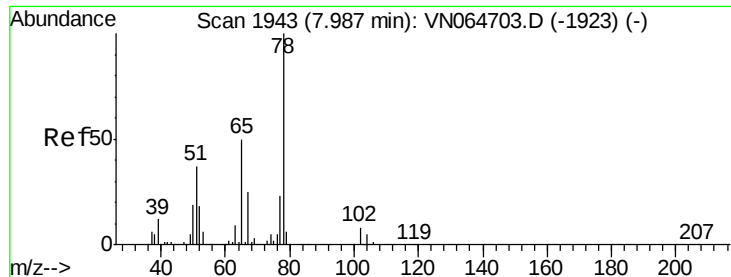
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	97	Resp:	1055167
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.6	76.0
61	46.3	38.3	57.5





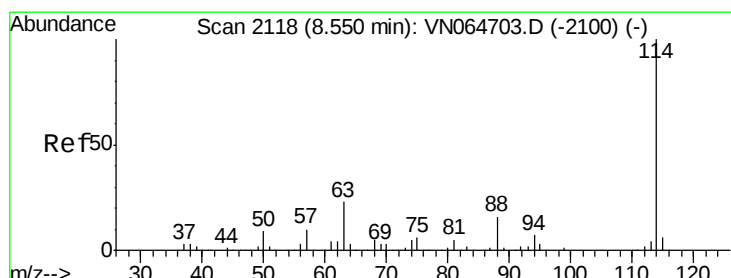
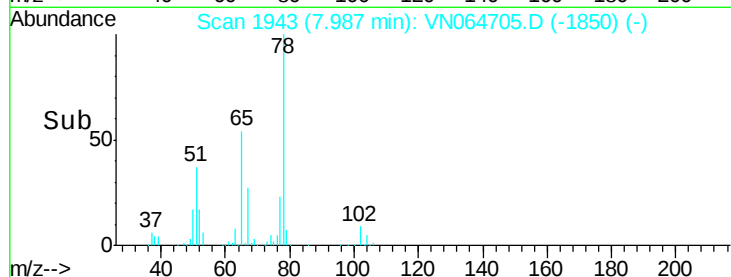
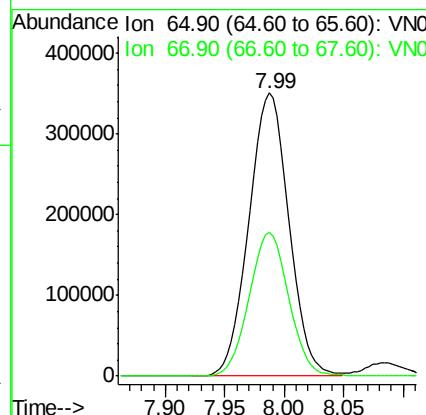
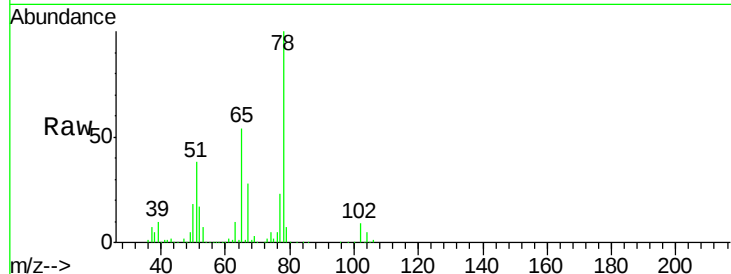
#33
 1,2-Dichloroethane-d4
 Concen: 156.998 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	818325		
67	50.3	0.0	99.8	

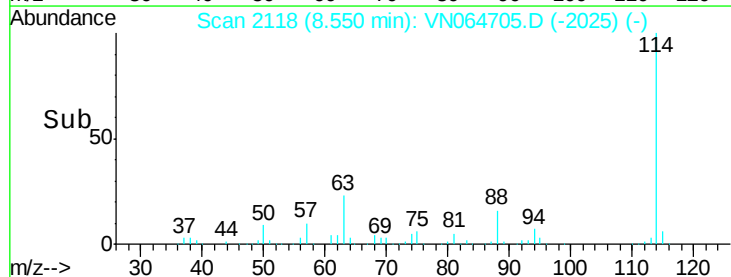
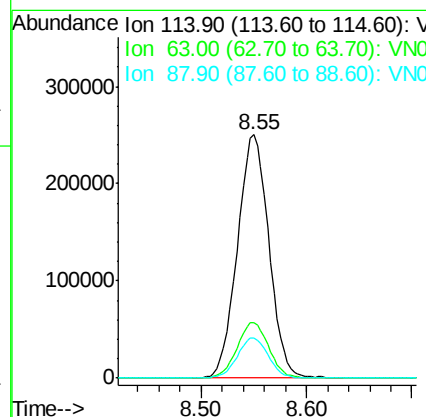
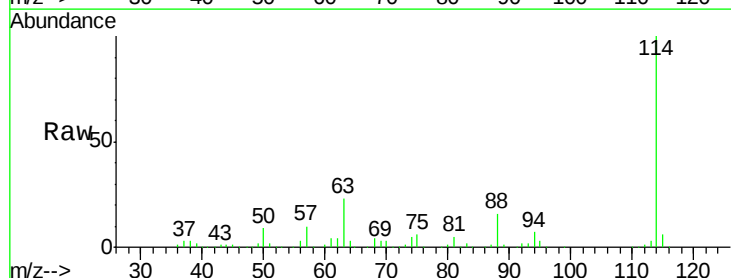
Manual Integrations
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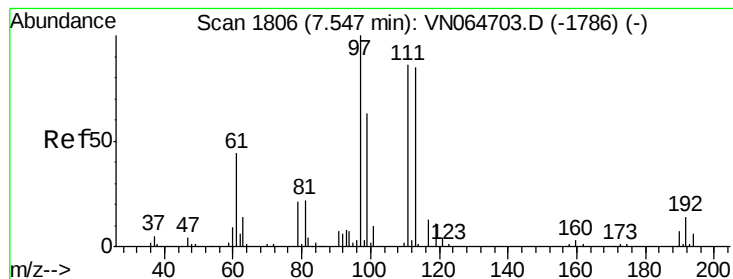
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	518622		
63	22.7	0.0	46.0	
88	16.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 129.090 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

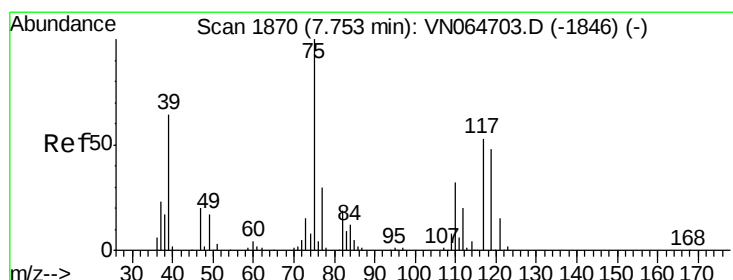
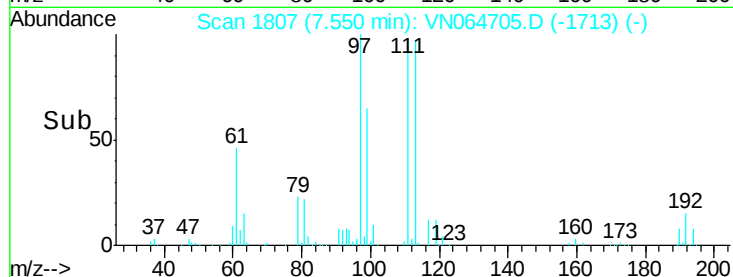
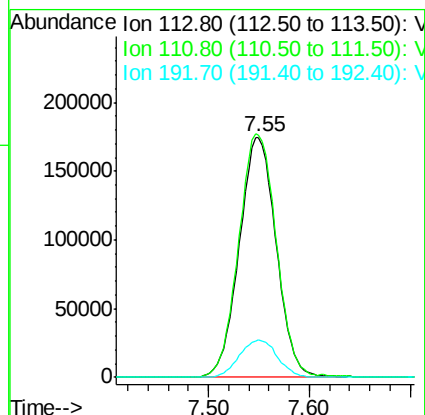
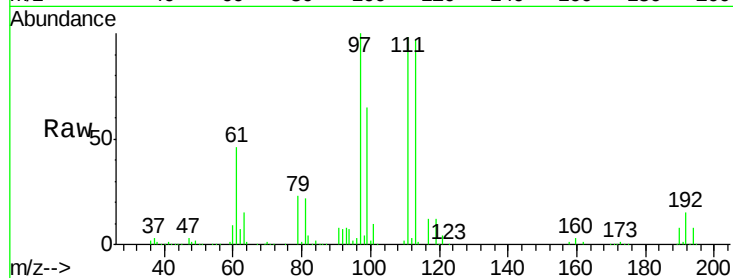
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	442042
Ion Ratio	Lower	Upper	
113	100		
111	103.3	82.2	123.4
192	16.2	12.7	19.1

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11/19/2020 2:10:08 PM



#36

1,1-Dichloropropene

Concen: 159.631 ug/l

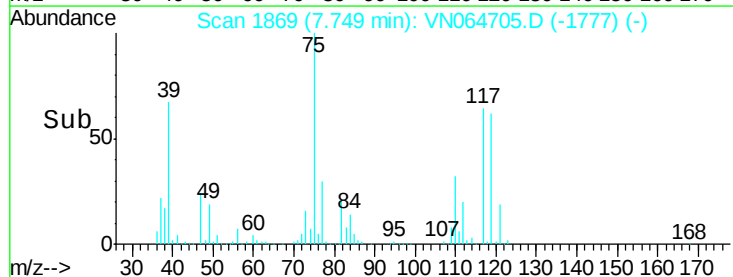
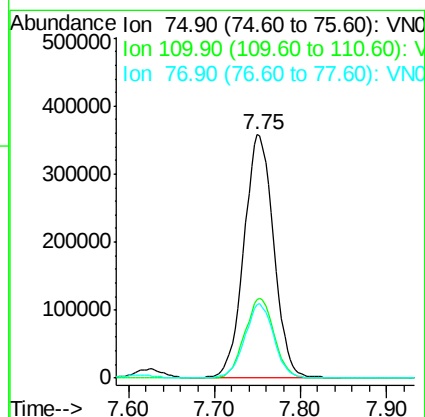
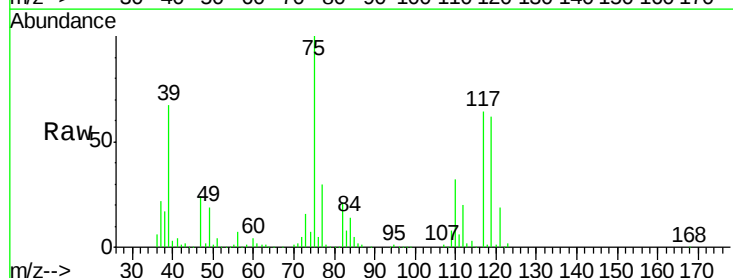
RT: 7.75 min Scan# 1869

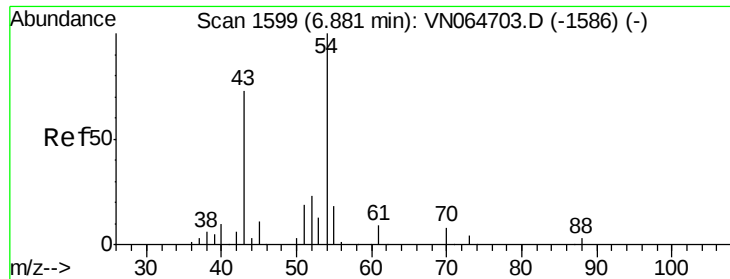
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	75	Resp:	859244
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.2	48.6
77	30.2	24.4	36.6





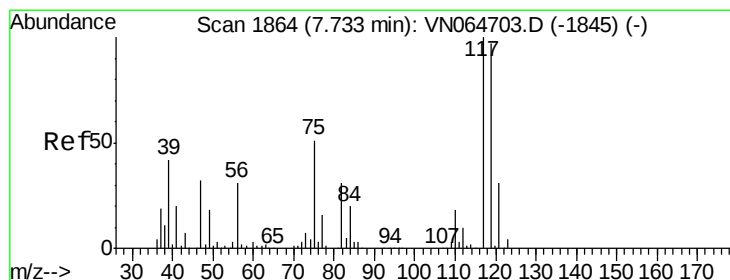
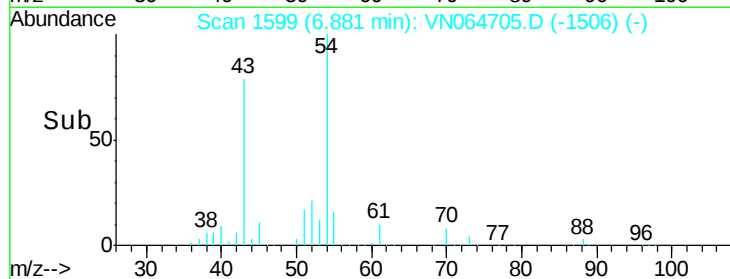
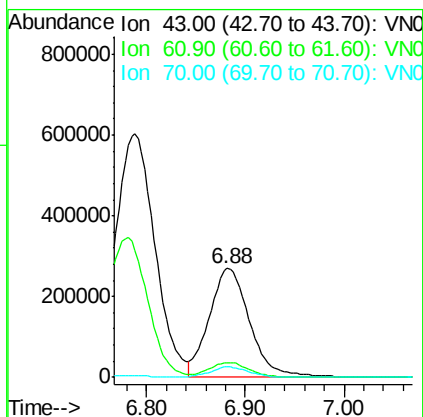
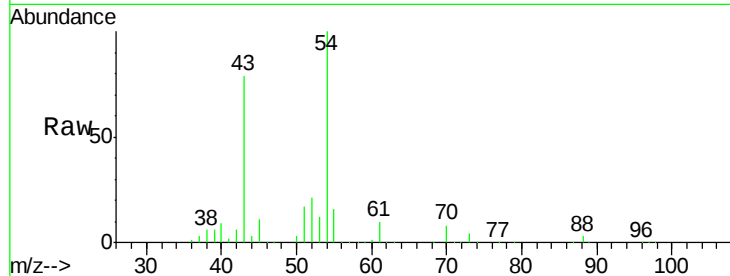
#37
Ethyl Acetate
Concen: 160.361 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.4	15.6
70	9.1	7.6	11.4

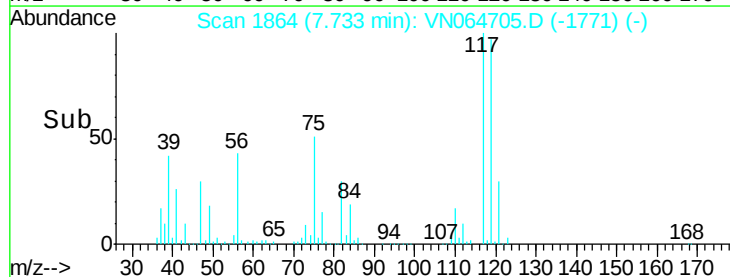
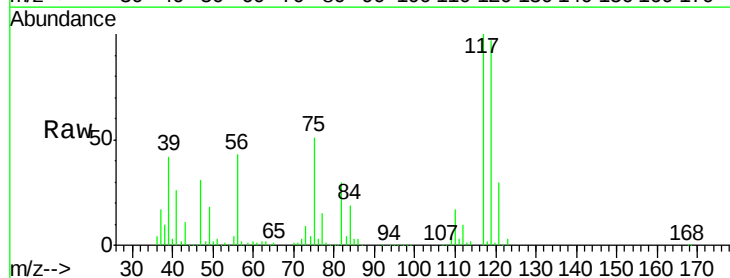
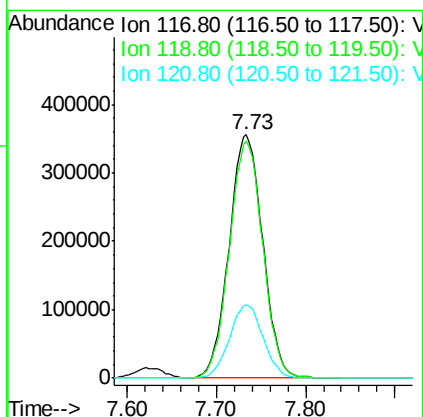
Manual Integrations
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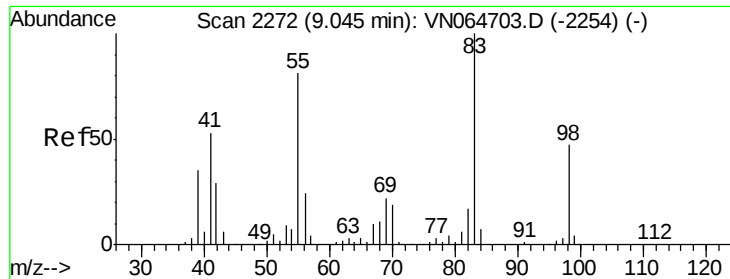
MMDadoda
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#38
Carbon Tetrachloride
Concen: 159.909 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.6
121	30.0	24.9	37.3





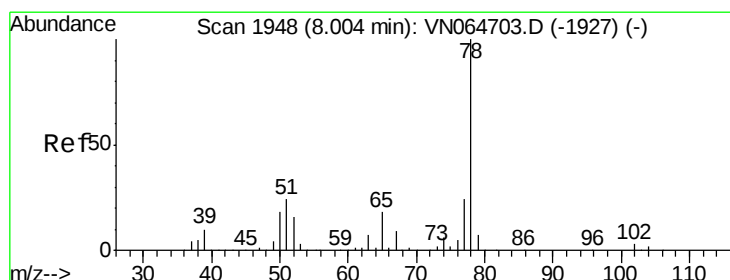
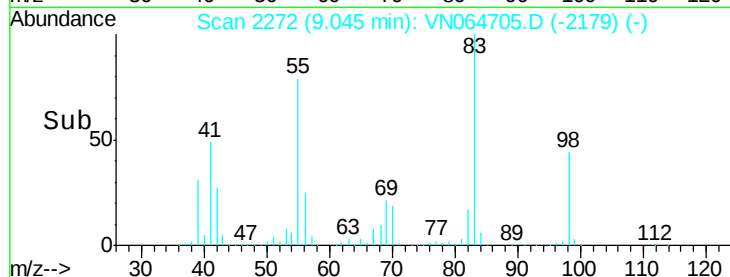
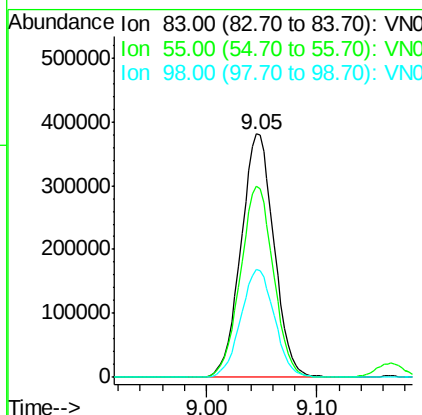
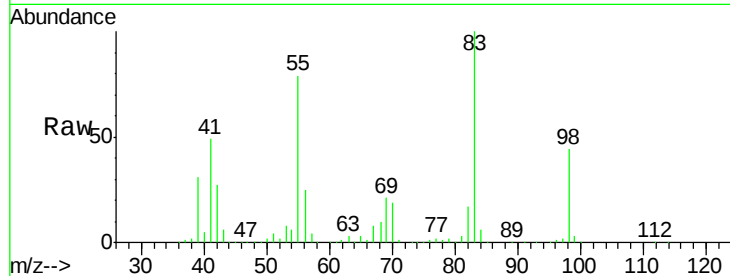
#39
Methvlcvclohexane
Concen: 164.158 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	64.6	97.0
98	44.1	37.7	56.5

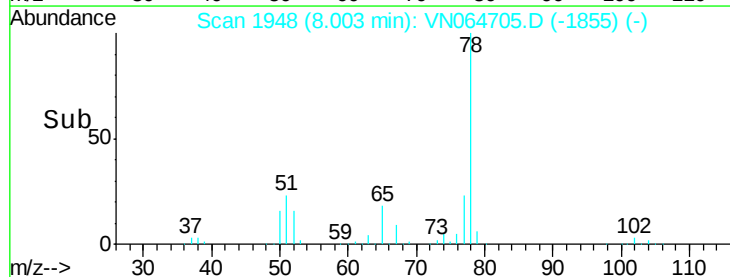
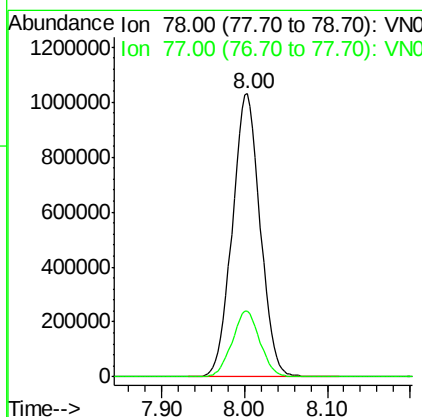
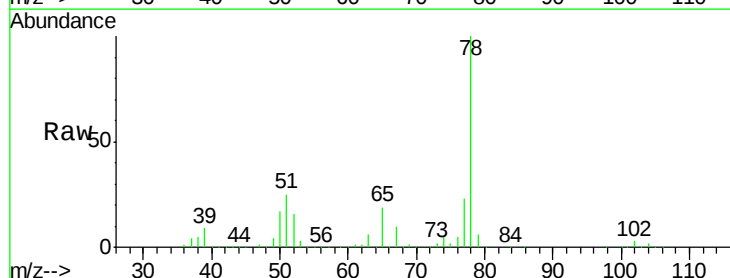
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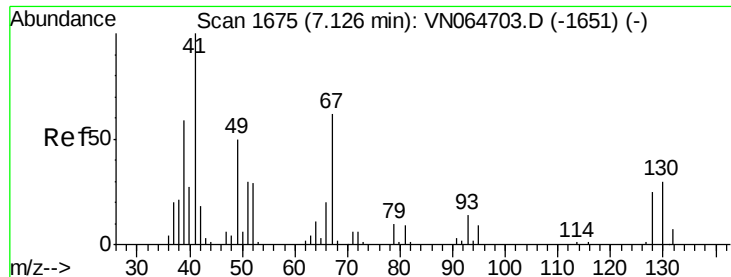
MMDadoda
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#40
Benzene
Concen: 152.647 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





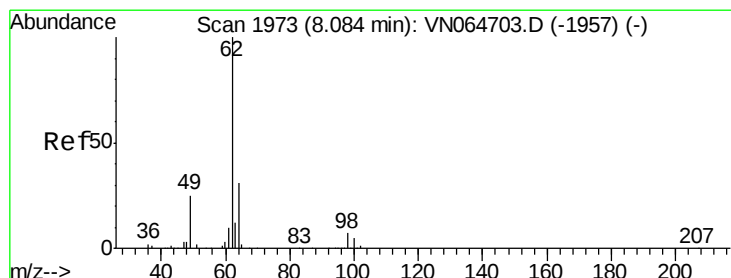
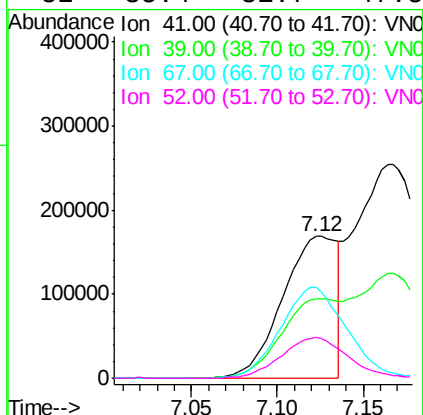
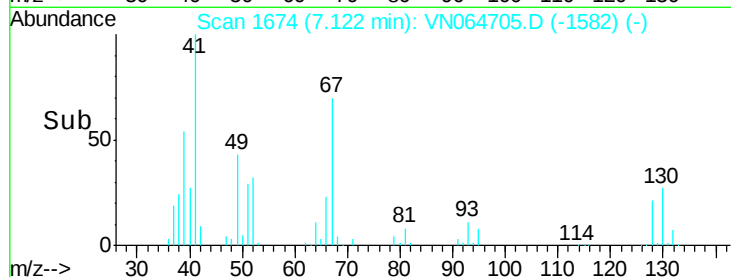
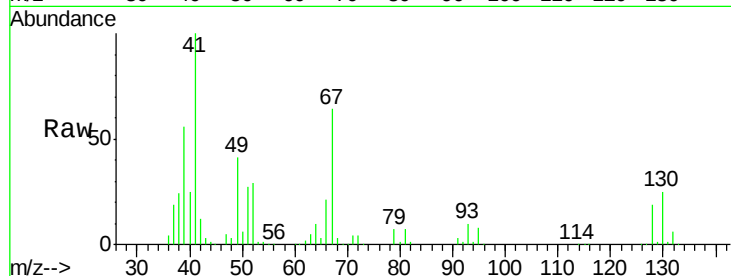
#41
Methacrylonitrile
Concen: 155.069 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		371298		
39	57.0	46.0	69.0		
67	77.9	67.0	100.4		
52	35.4	31.7	47.5		

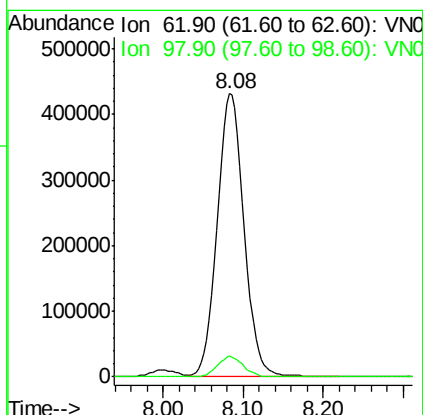
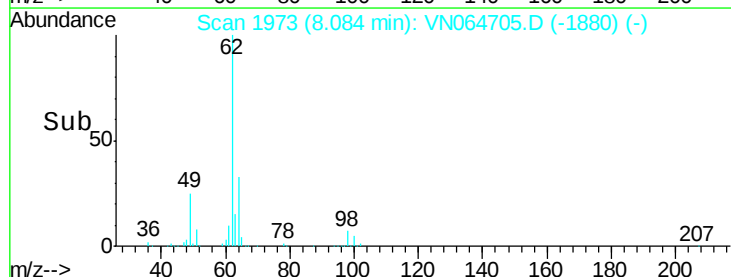
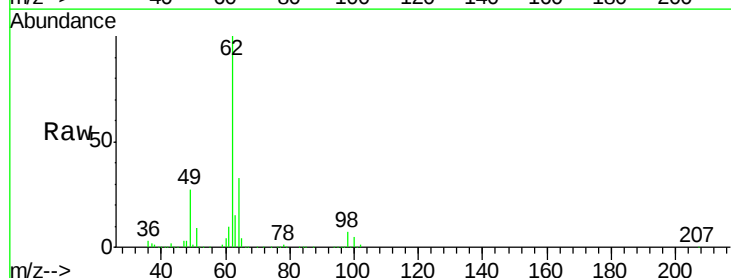
Manual Integrations
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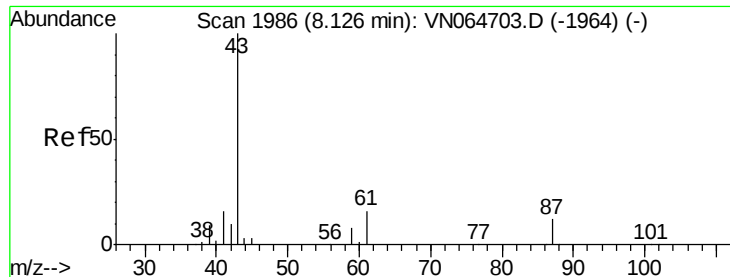
MMDadoda
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#42
1,2-Dichloroethane
Concen: 155.385 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		996921		
98	7.0	0.0	13.6		





#43

Isopropyl Acetate

Concen: 157.847 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1372398

Ion Ratio Lower Upper

43 100

61 17.9 14.1 21.1

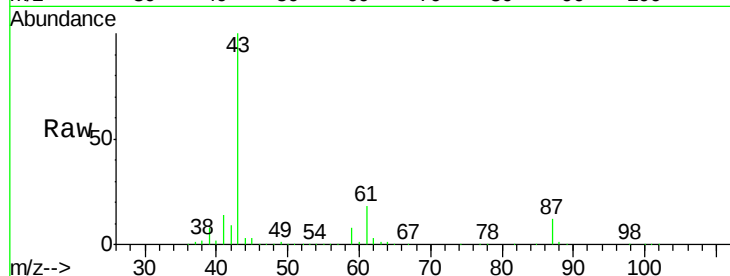
87 12.0 9.1 13.7

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Abundance Ion 43.00 (42.70 to 43.70): VN064703.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN064703.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN064703.D (-1964) (-)

8.13

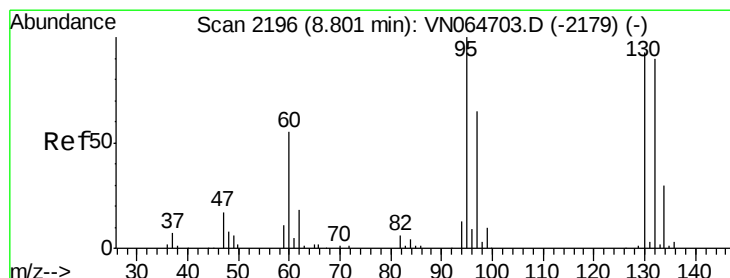
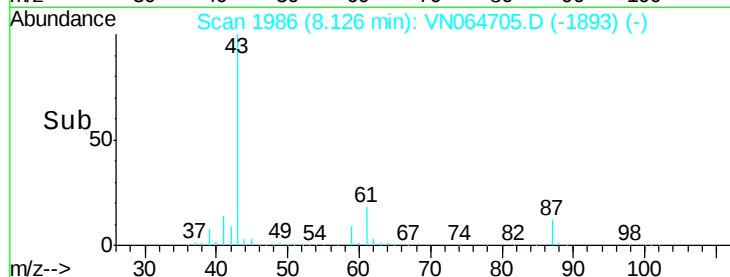
600000

400000

200000

0

Time-->



#44

Trichloroethene

Concen: 161.019 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064705.D

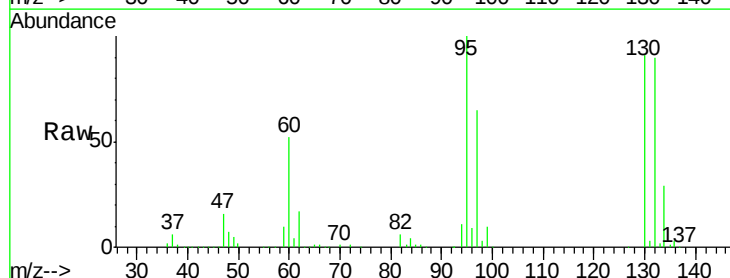
Acq: 18 Nov 2020 13:49

Tgt Ion:130 Resp: 648912

Ion Ratio Lower Upper

130 100

95 110.1 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): VN064705.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064705.D (-2103) (-)

8.80

400000

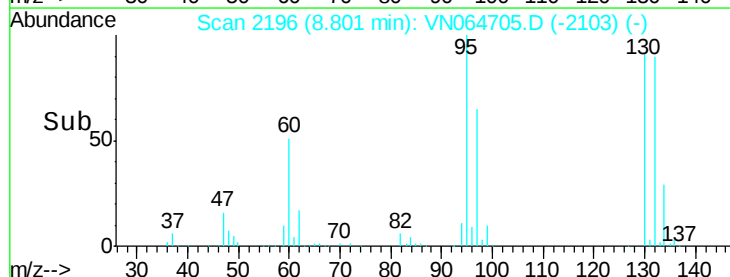
300000

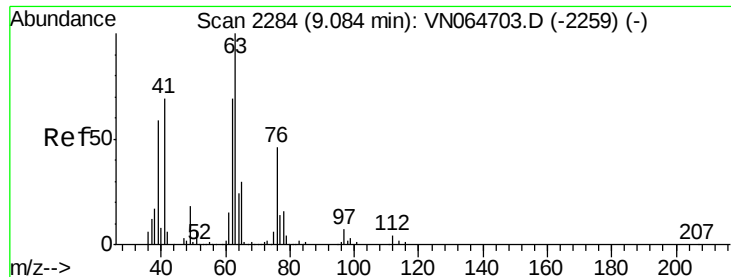
200000

100000

0

Time-->





#45

1,2-Dichloropropane

Concen: 151.564 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 636886

Ion Ratio Lower Upper

63 100

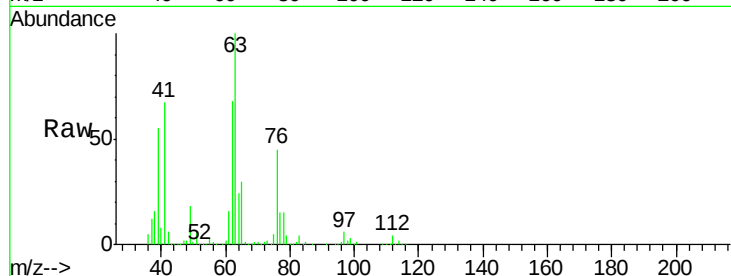
65 30.3 24.0 36.0

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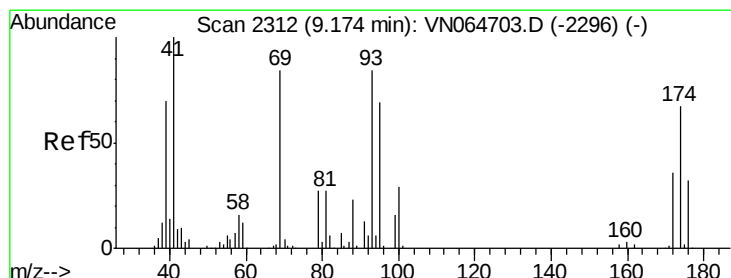
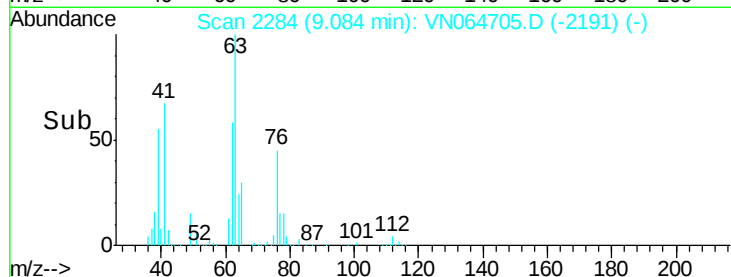
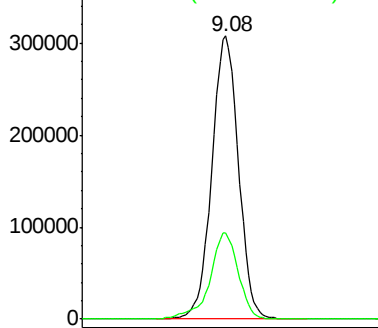
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 159.456 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

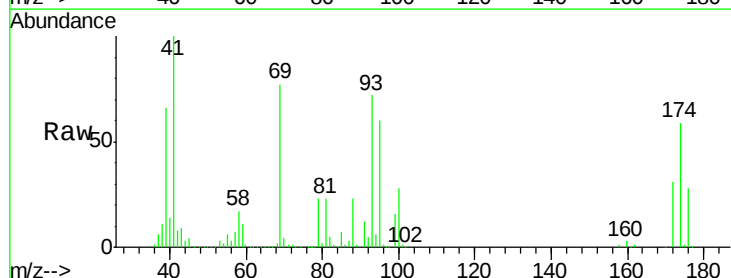
Tgt Ion: 93 Resp: 448157

Ion Ratio Lower Upper

93 100

95 82.9 64.6 97.0

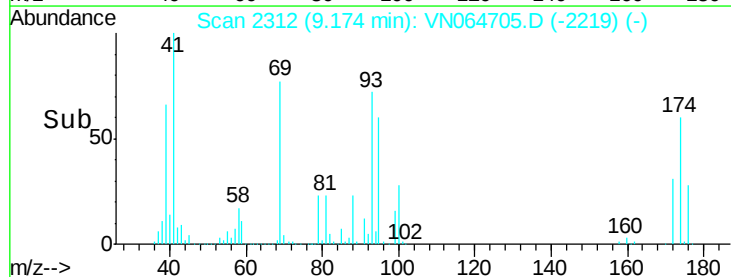
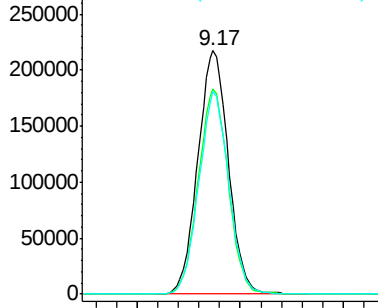
174 81.6 64.3 96.5

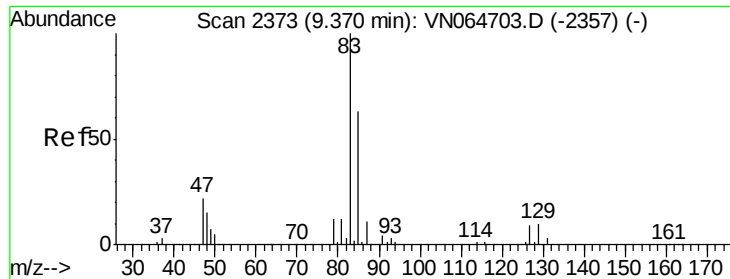


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 157.377 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

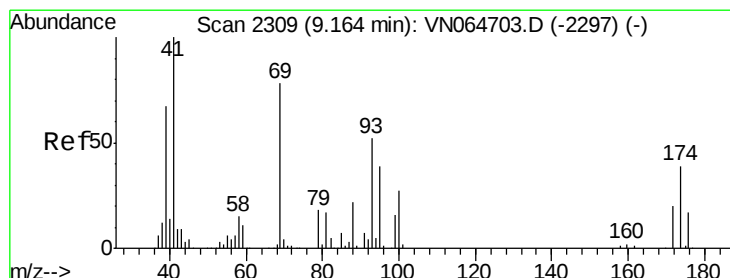
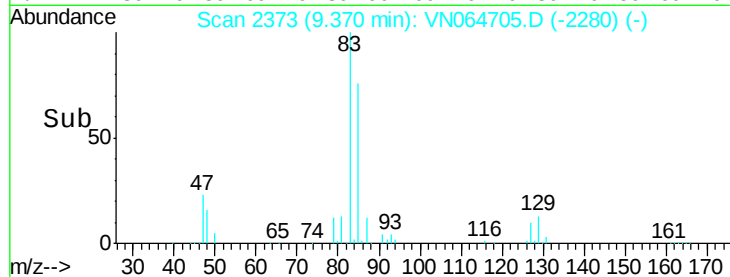
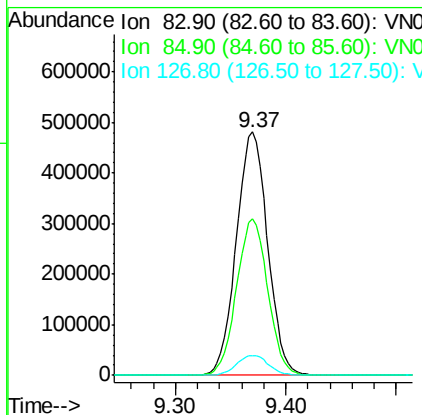
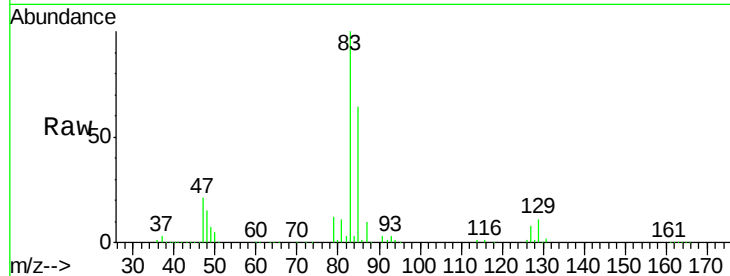
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	945883
Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.8	76.2
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 153.868 ug/l

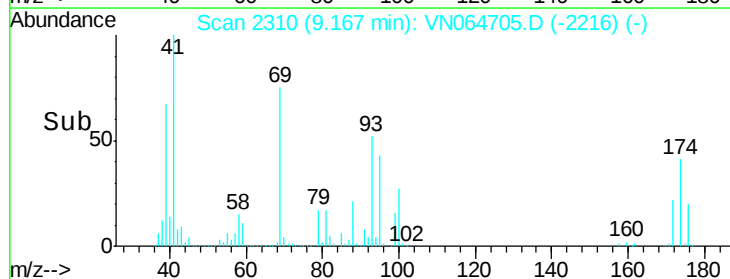
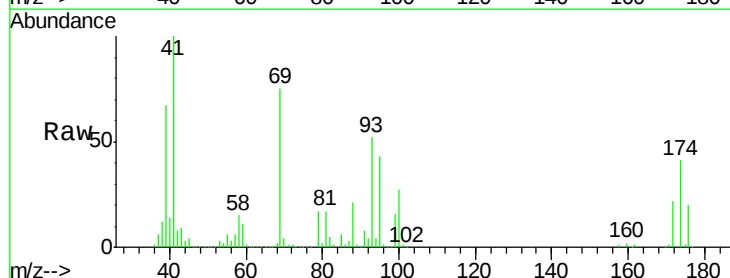
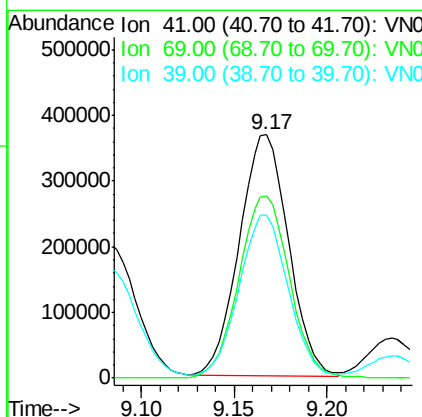
RT: 9.17 min Scan# 2310

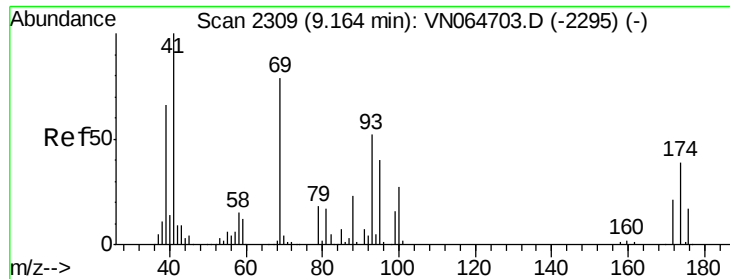
Delta R.T. 0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	41	Resp:	673474
Ion	Ratio	Lower	Upper
41	100		
69	78.1	62.3	93.5
39	68.3	55.1	82.7





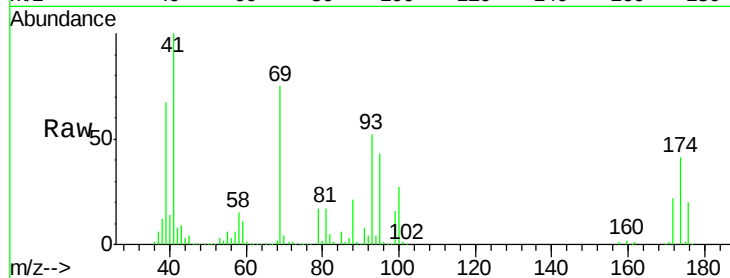
#49
1,4-Dioxane
Concen: 2814.459 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	159953		
43	39.4	31.3	46.9	
58	71.9	55.7	83.5	

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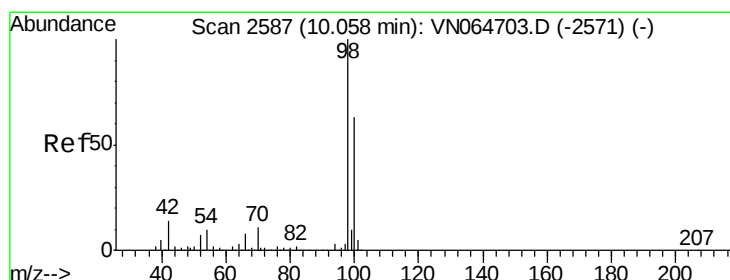
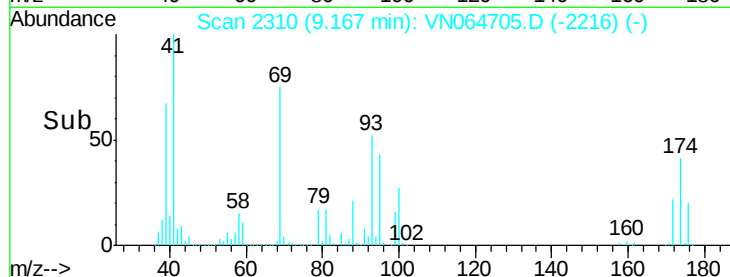
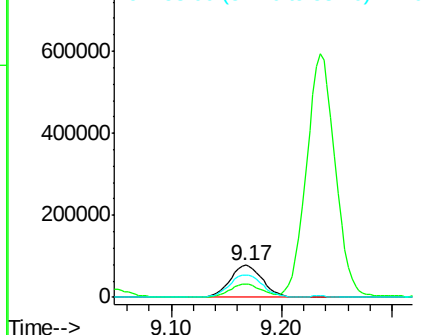
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Abundance Ion 88.00 (87.70 to 88.70): VN064705.D (-2310) (-)

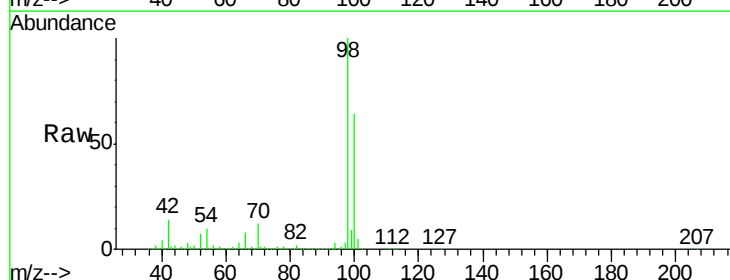
Ion 43.00 (42.70 to 43.70): VN064705.D (-2310) (-)

Ion 58.00 (57.70 to 58.70): VN064705.D (-2310) (-)



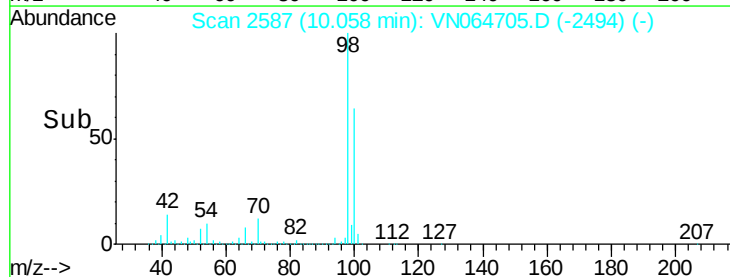
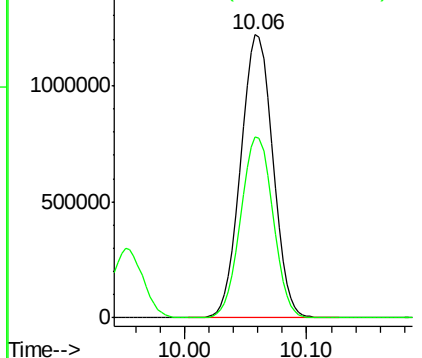
#50
Toluene-d8
Concen: 162.648 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

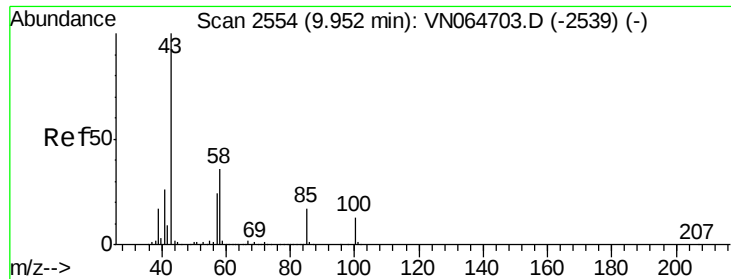
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2214138		
100	64.4	50.4	75.6	



Abundance Ion 98.00 (97.70 to 98.70): VN064705.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN064705.D (-2587) (-)





#51

4-Methyl-2-Pentanone

Concen: 777.289 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3919103

Ion Ratio Lower Upper

43 100

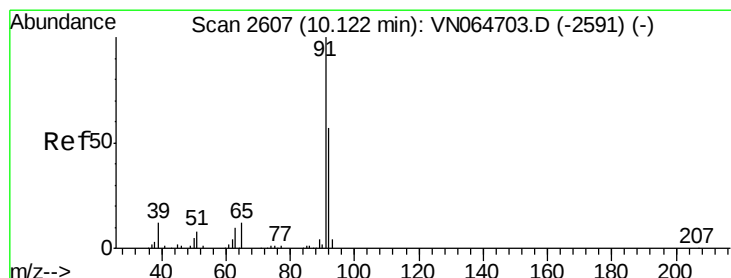
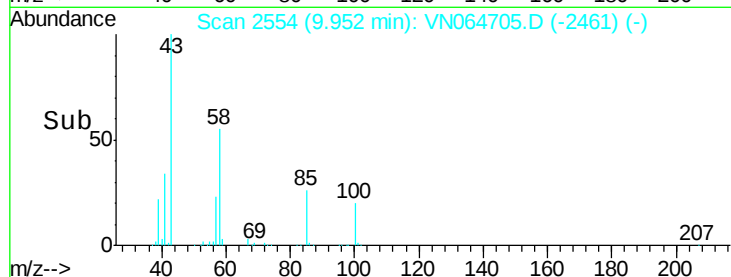
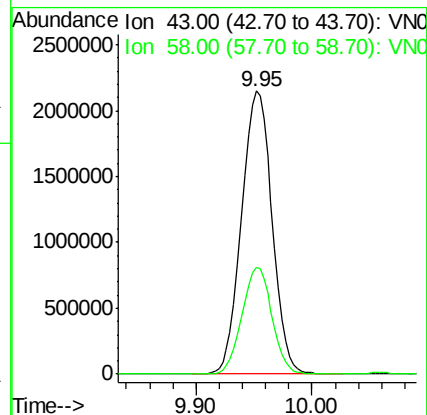
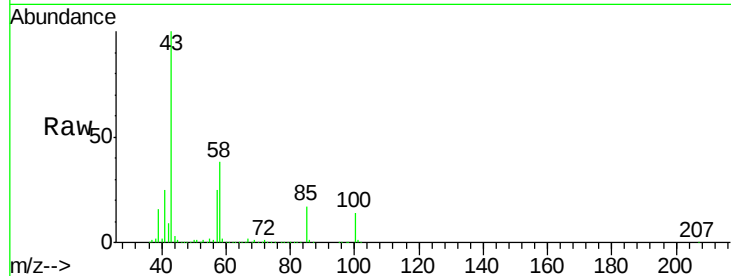
58 37.1 28.5 42.7

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#52

Toluene

Concen: 161.419 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064705.D

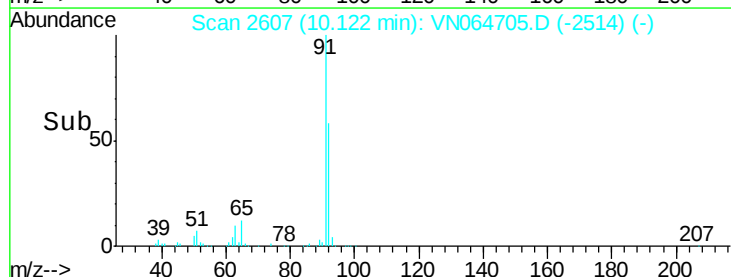
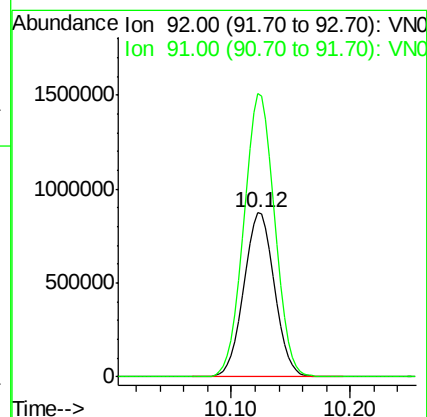
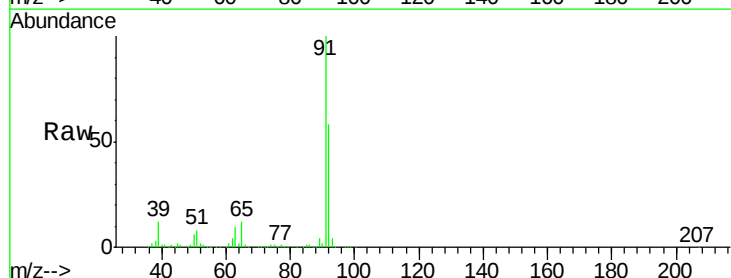
Acq: 18 Nov 2020 13:49

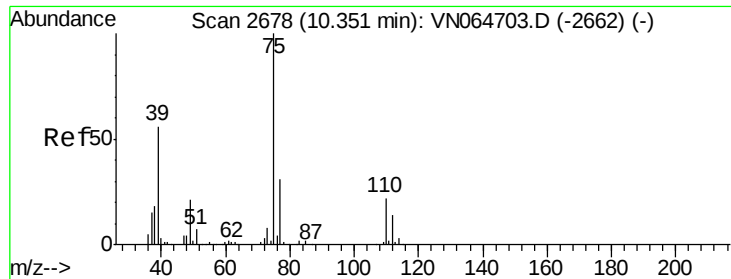
Tgt Ion: 92 Resp: 1556730

Ion Ratio Lower Upper

92 100

91 174.2 141.2 211.8





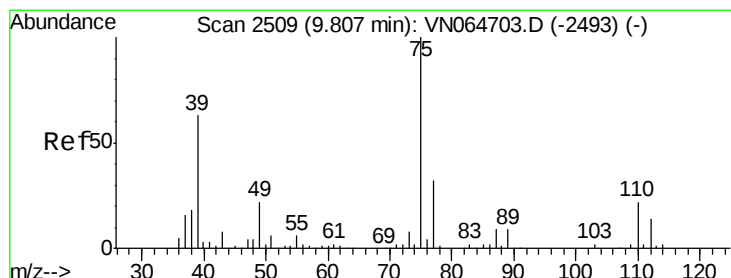
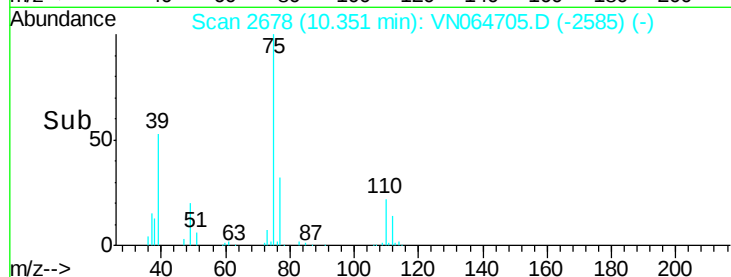
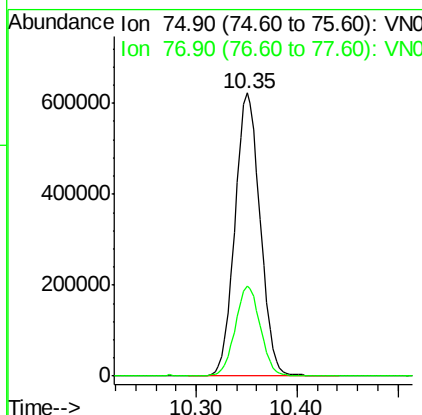
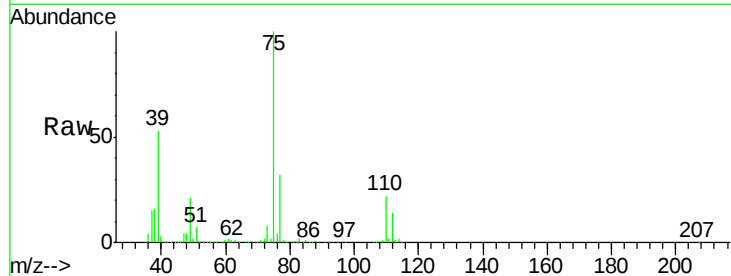
#53
 t-1,3-Dichloropropene
 Concen: 170.578 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1081609
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0

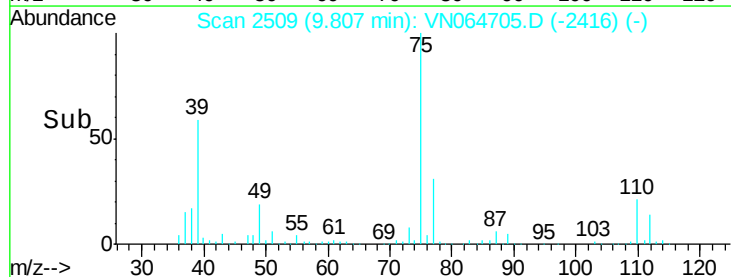
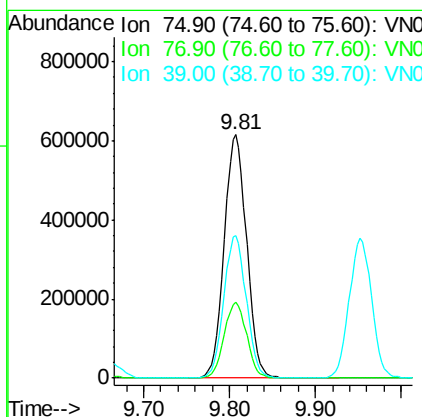
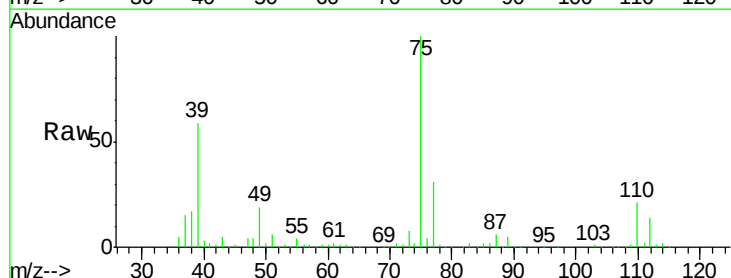
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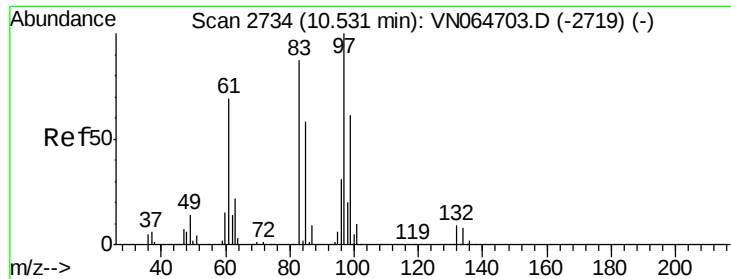
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 11/19/2020 2:10:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 165.375 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion: 75 Resp: 1115347
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.8 38.8
 39 58.6 50.5 75.7





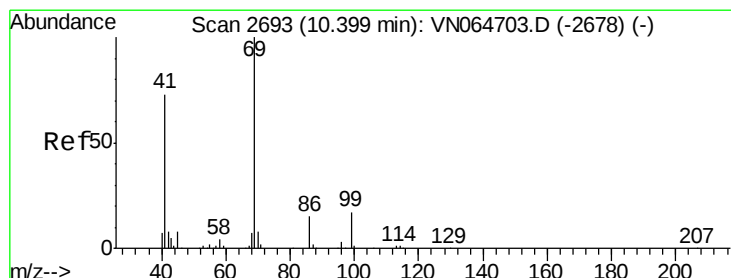
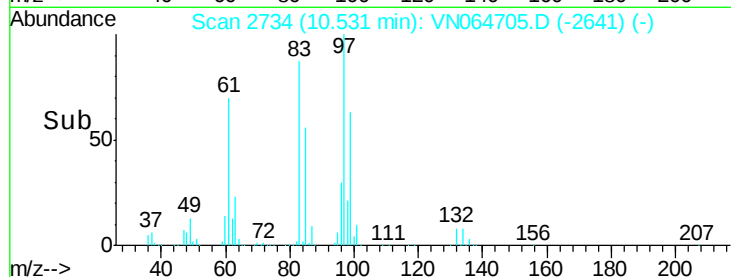
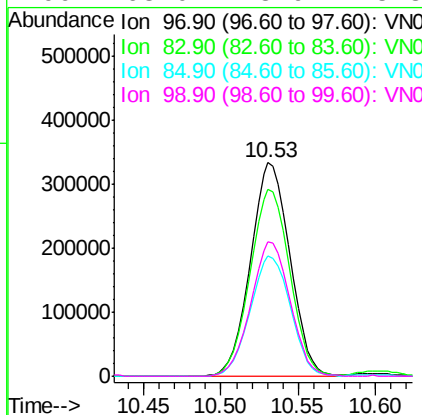
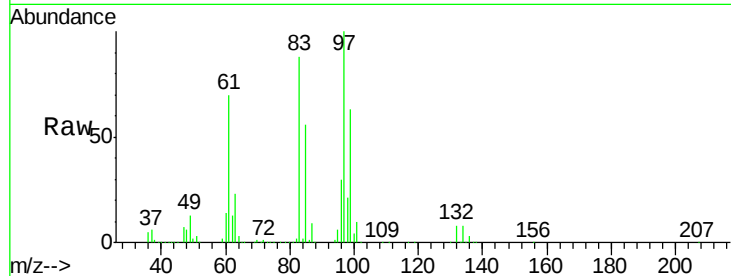
#55
 1,1,2-Trichloroethane
 Concen: 156.879 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	593084
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.6	104.4
85	56.1	46.6	70.0
99	63.0	48.9	73.3

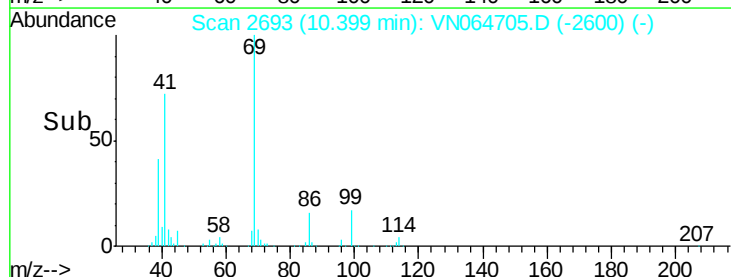
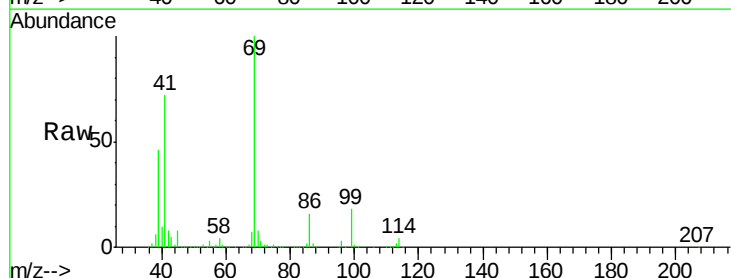
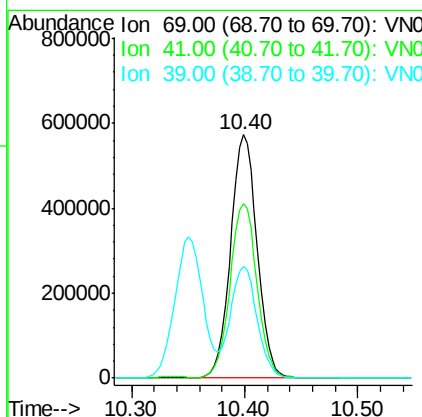
Manual Integrations
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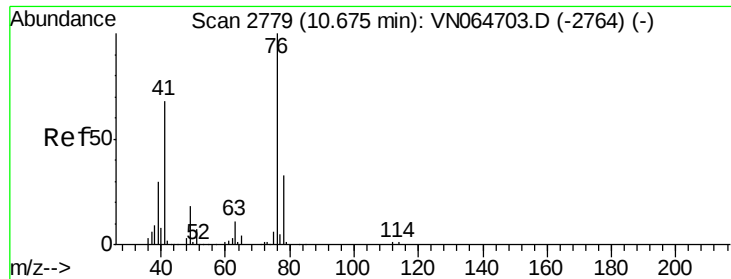
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#56
 Ethyl methacrylate
 Concen: 171.441 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion:	69	Resp:	934346
Ion	Ratio	Lower	Upper
69	100		
41	72.3	59.0	88.4
39	46.0	38.4	57.6





#57

1,3-Dichloropropane

Concen: 157.909 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1038454

Ion Ratio Lower Upper

76 100

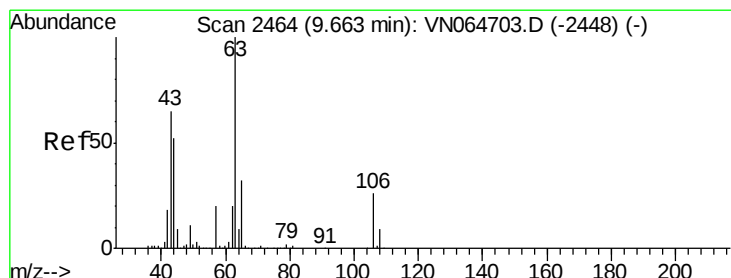
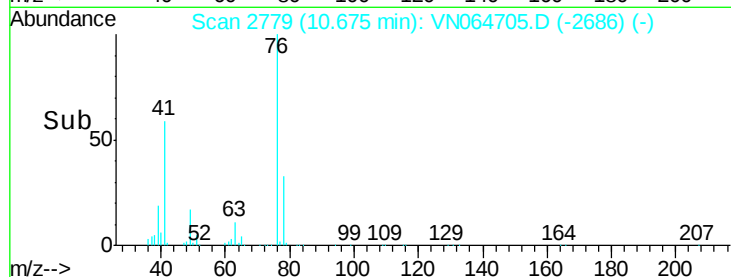
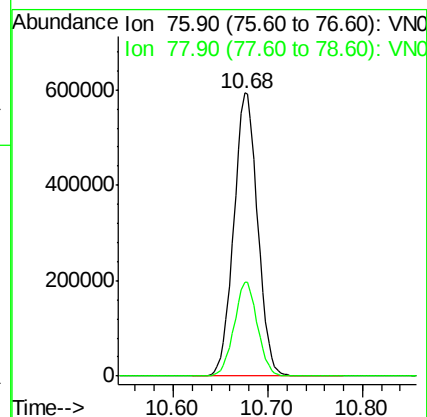
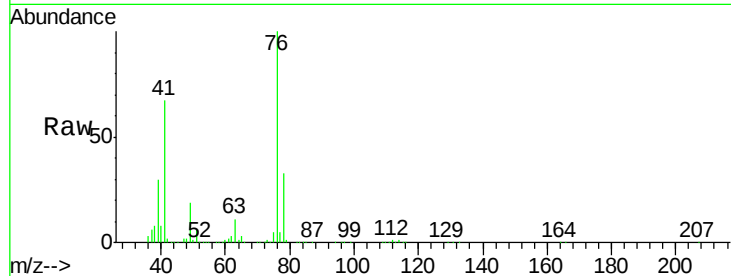
78 32.5 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 933.997 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064705.D

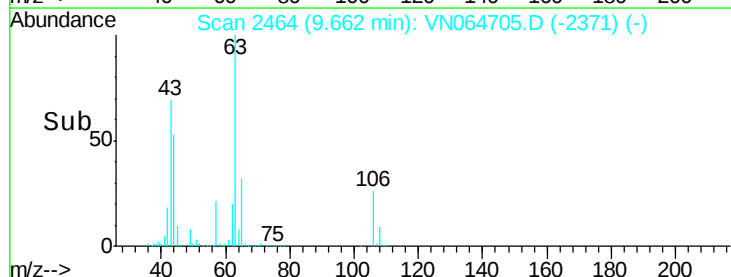
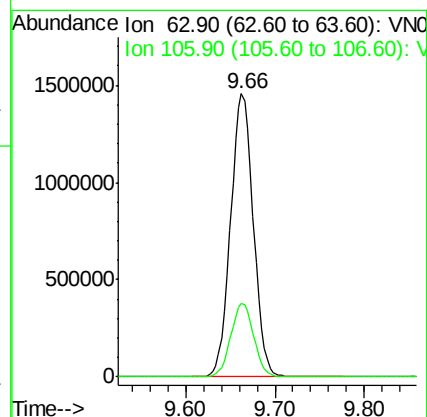
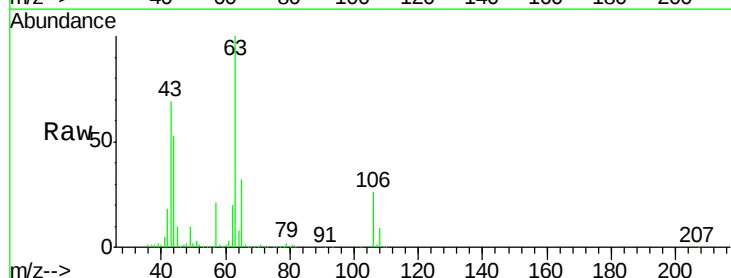
Acq: 18 Nov 2020 13:49

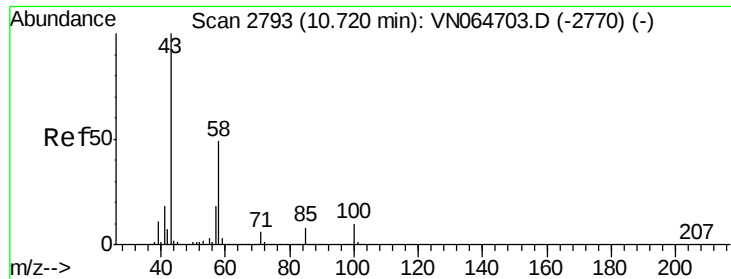
Tgt Ion: 63 Resp: 2565630

Ion Ratio Lower Upper

63 100

106 26.2 20.9 31.3





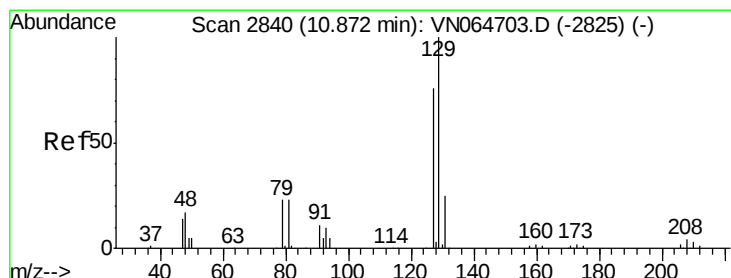
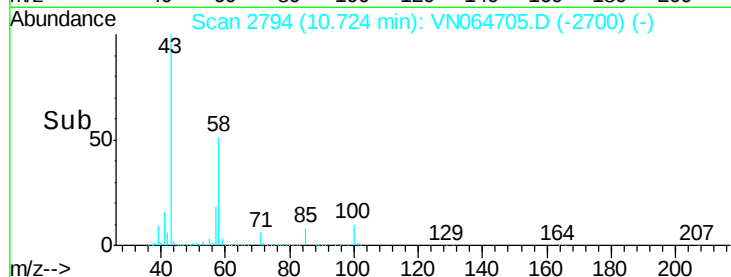
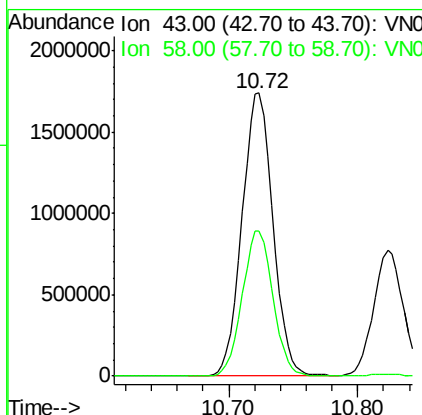
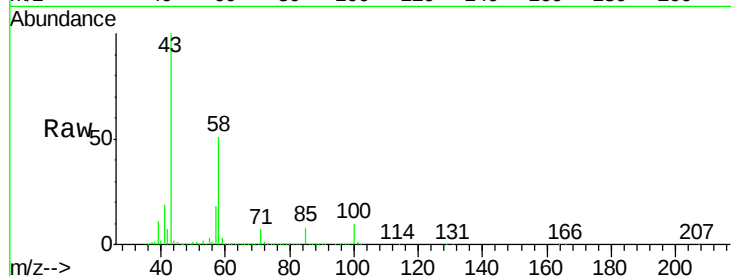
#59
2-Hexanone
Concen: 796.960 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2903858
Ion Ratio Lower Upper
43 100
58 51.0 24.4 73.4

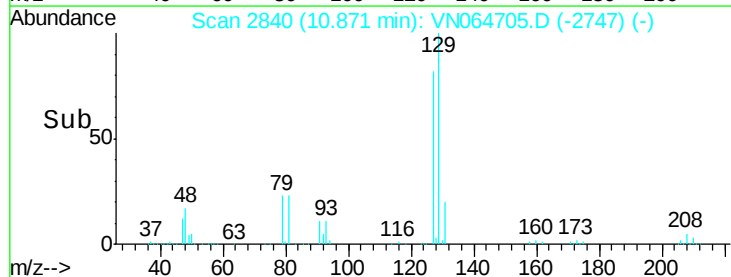
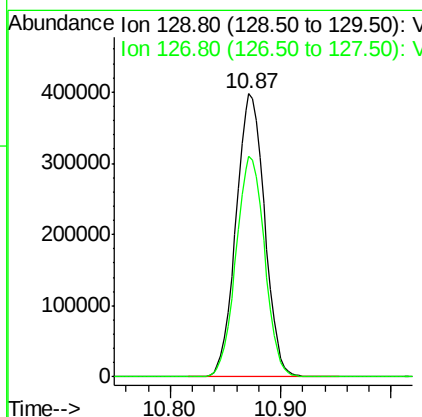
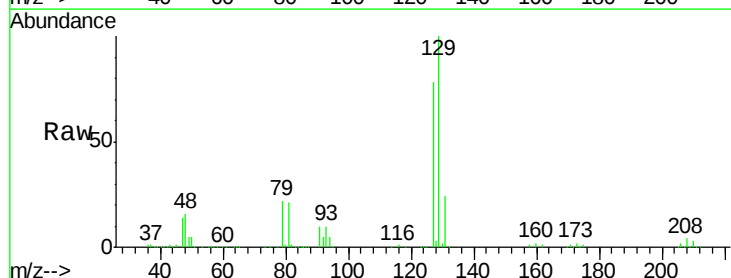
Manual Integrations
APPROVED

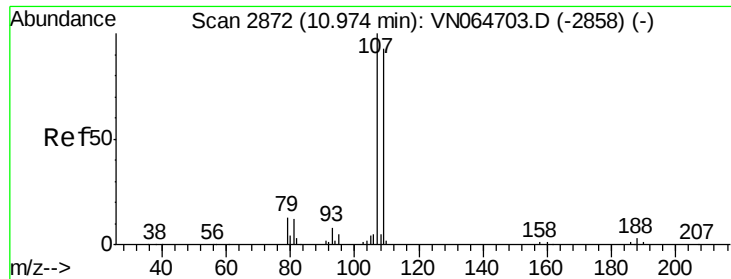
MMDadoda
11/19/2020 2:10:08 PM



#60
Dibromochloromethane
Concen: 168.685 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 129 Resp: 713674
Ion Ratio Lower Upper
129 100
127 78.0 38.8 116.4





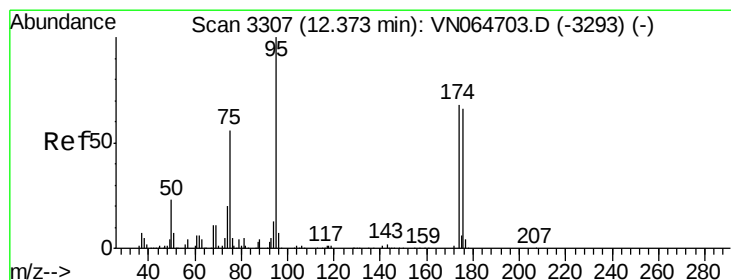
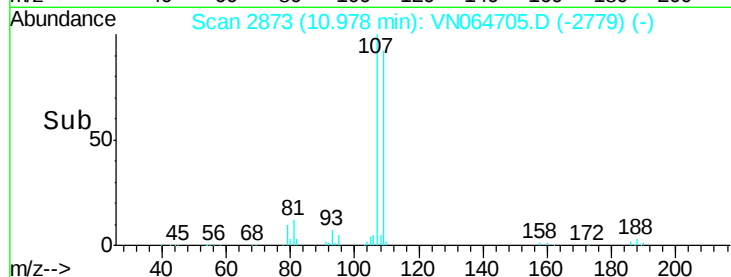
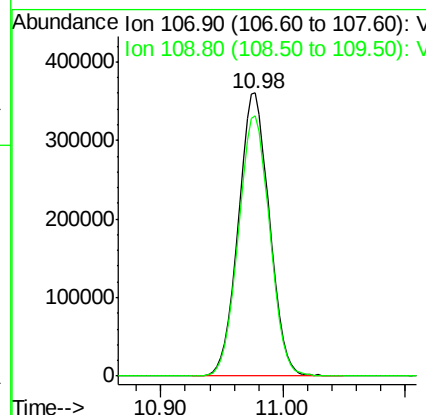
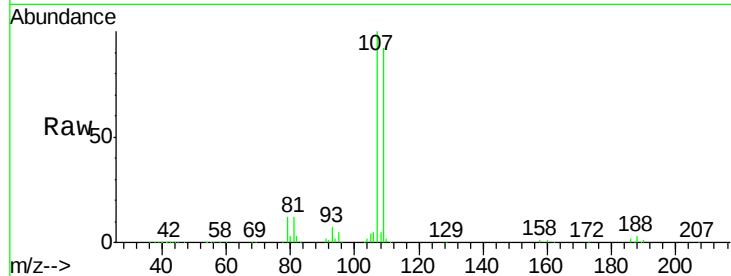
#61
 1,2-Dibromoethane
 Concen: 165.283 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.2	111.4

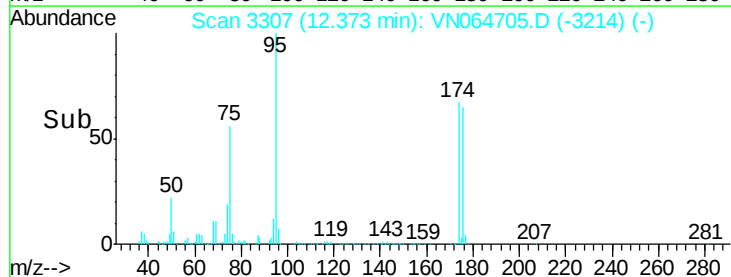
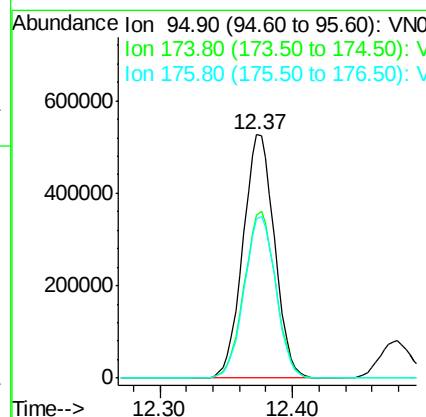
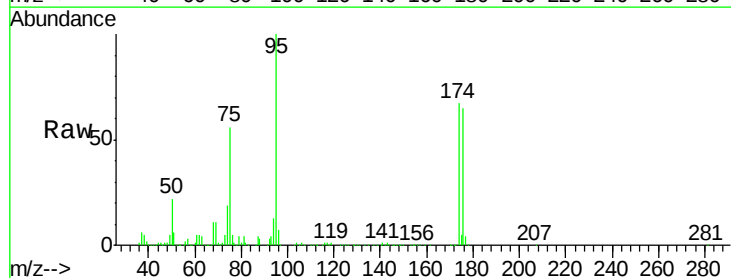
Manual Integrations
 APPROVED

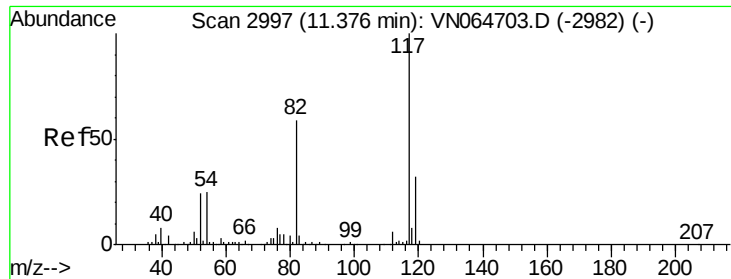
MMDadoda
 11/19/2020 2:10:08 PM



#62
 4-Bromofluorobenzene
 Concen: 169.836 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	136.8
176	66.2	0.0	134.2





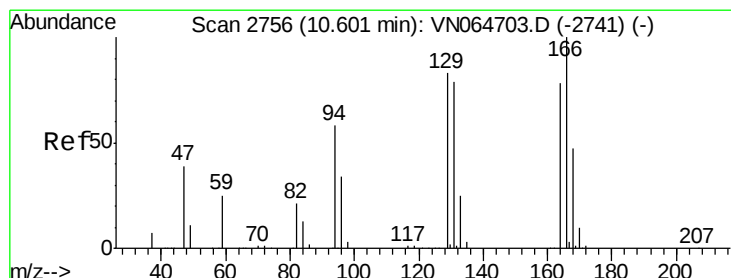
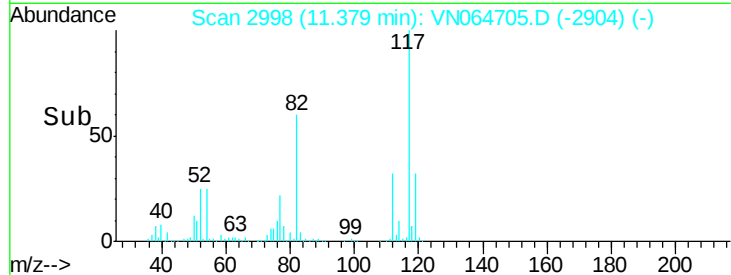
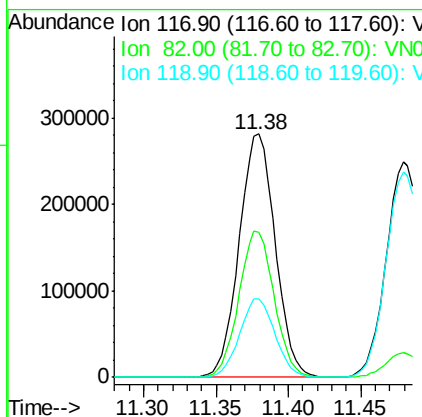
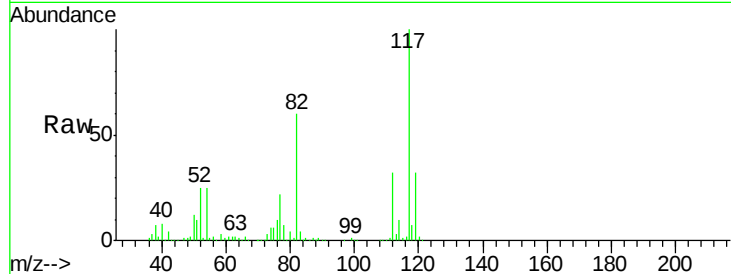
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	488294		
82	59.6	47.0	70.6	
119	32.2	25.4	38.2	

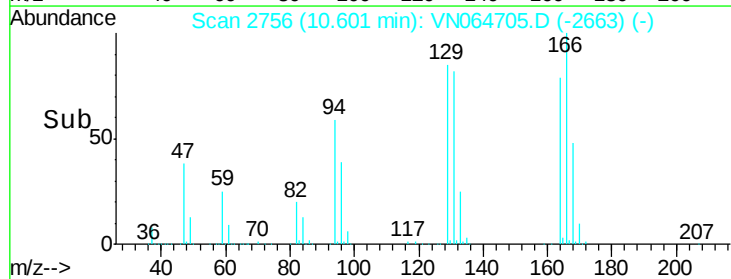
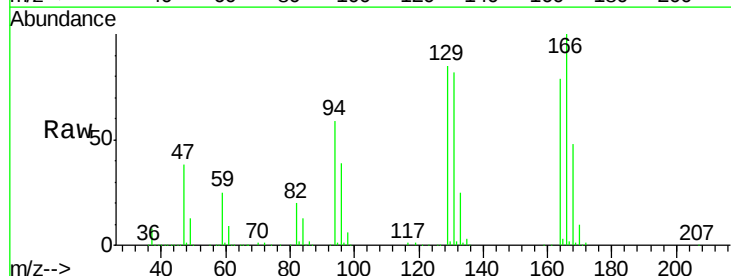
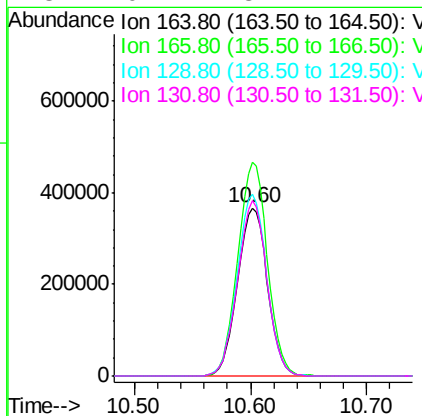
Manual Integrations
APPROVED

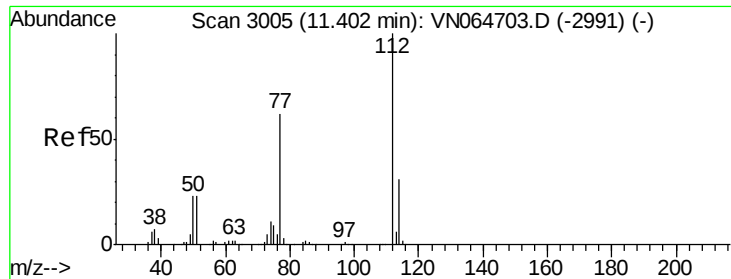
MMDadoda
11/19/2020 2:10:08 PM



#64
Tetrachloroethene
Concen: 172.551 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	659335		
166	127.2	102.2	153.4	
129	108.0	84.7	127.1	
131	104.2	81.1	121.7	





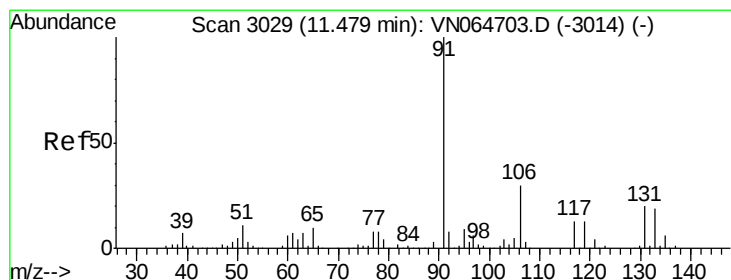
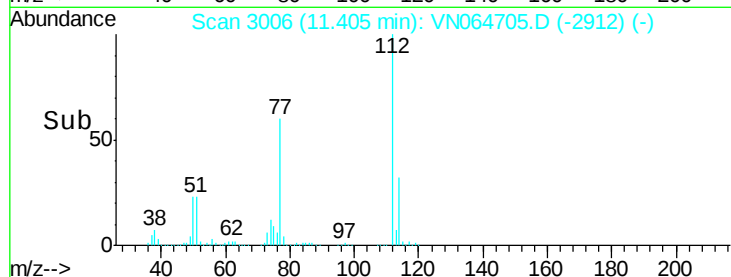
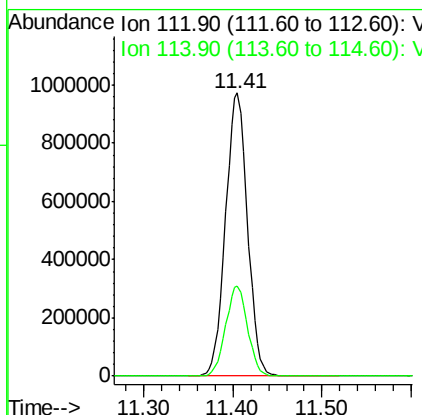
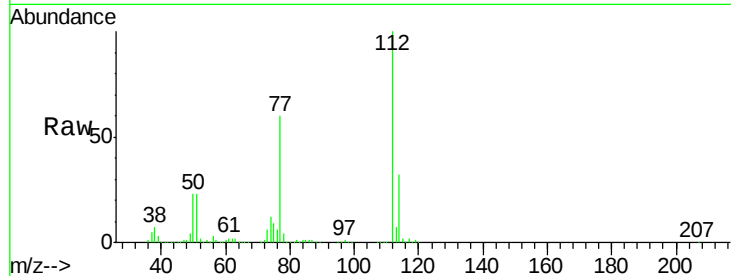
#65
Chlorobenzene
Concen: 156.469 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1654026
Ion Ratio Lower Upper
112 100
114 31.9 24.7 37.1

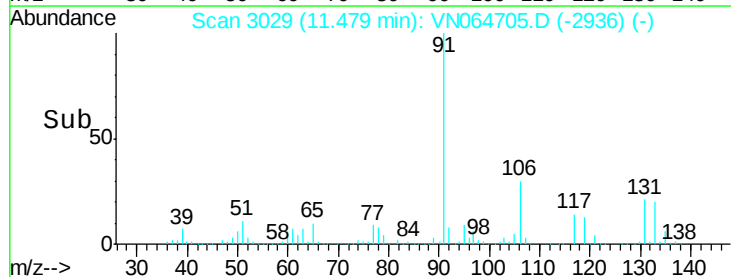
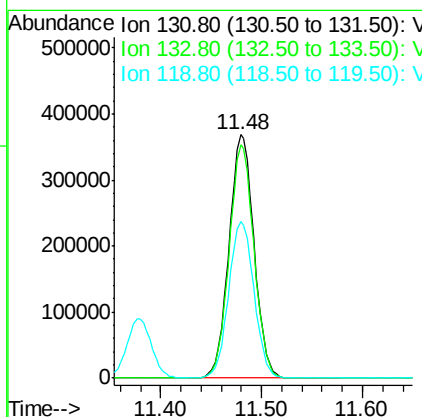
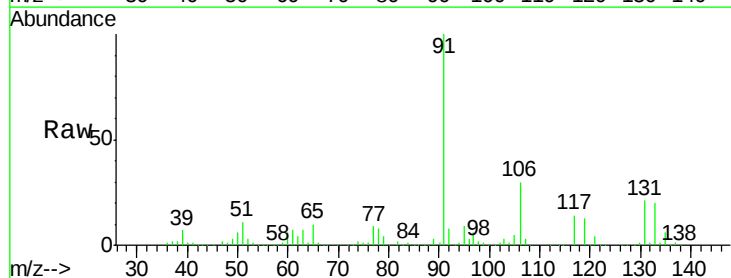
Manual Integrations
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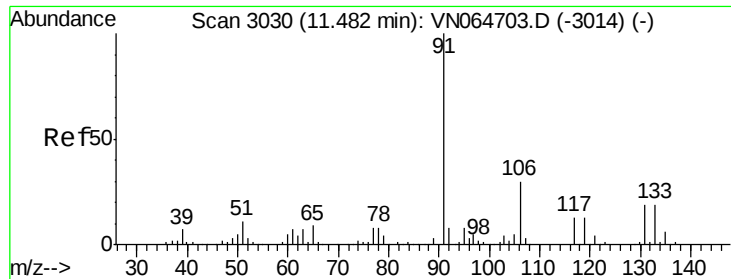
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 161.936 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion:131 Resp: 636325
Ion Ratio Lower Upper
131 100
133 95.2 48.8 146.4
119 65.2 33.5 100.4





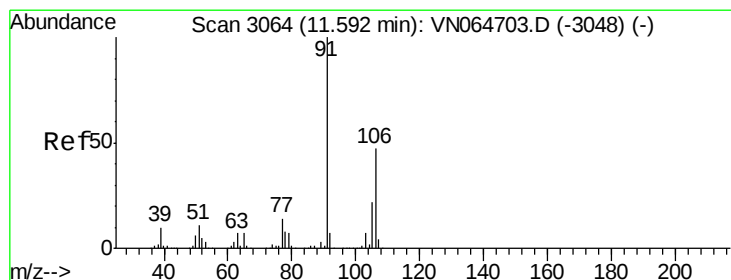
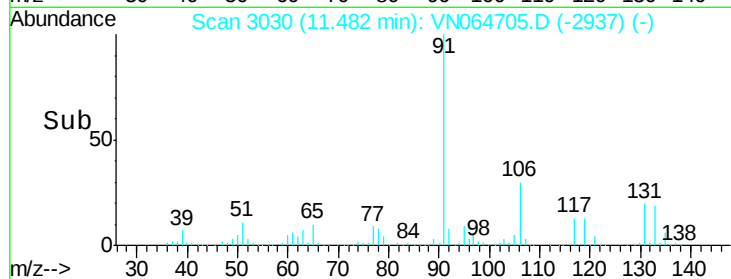
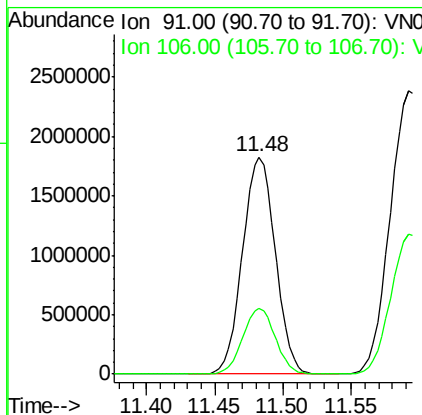
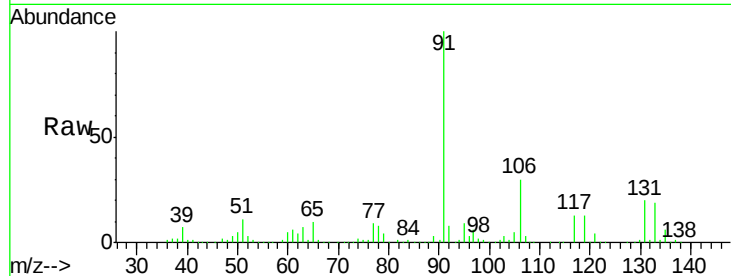
#67
Ethyl Benzene
Concen: 163.786 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 3058718
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9

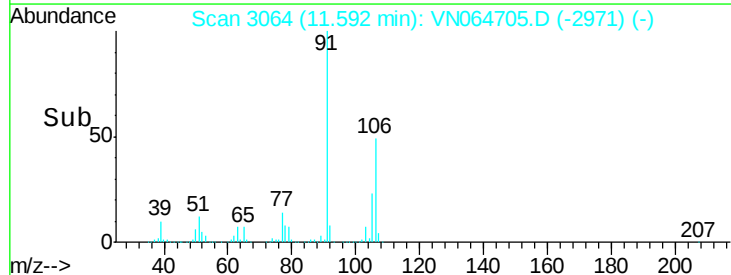
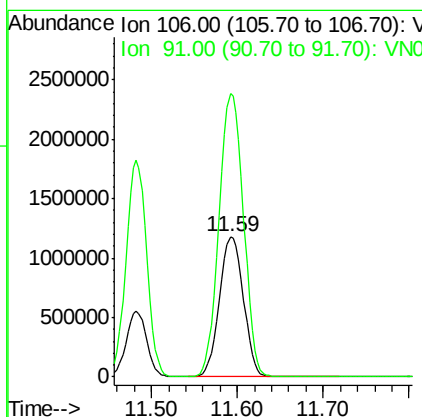
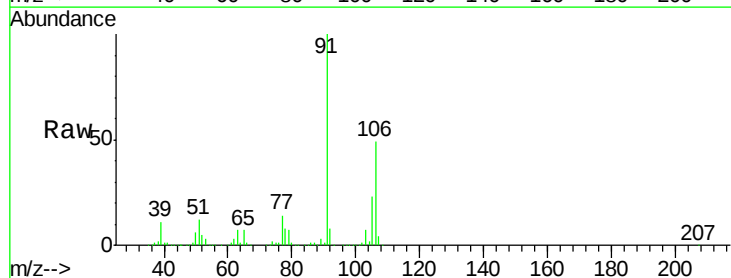
Manual Integrations
APPROVED

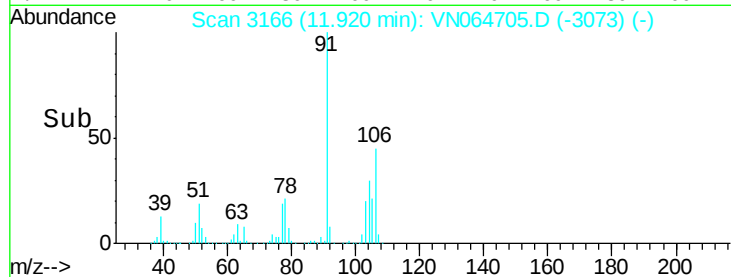
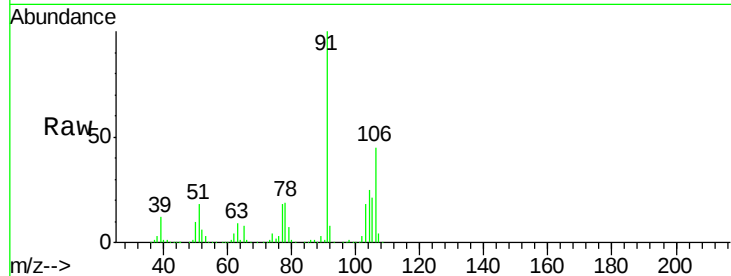
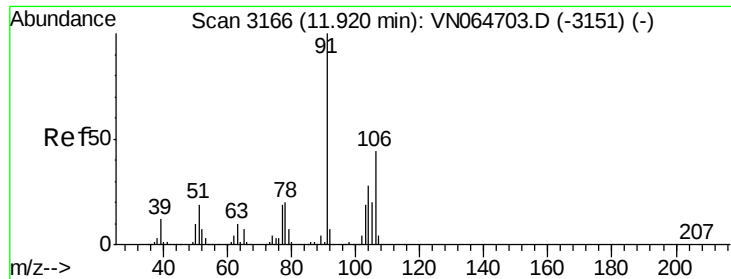
MMDadoda
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#68
m/p-Xylenes
Concen: 337.294 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion: 106 Resp: 2291305
Ion Ratio Lower Upper
106 100
91 206.0 171.9 257.9





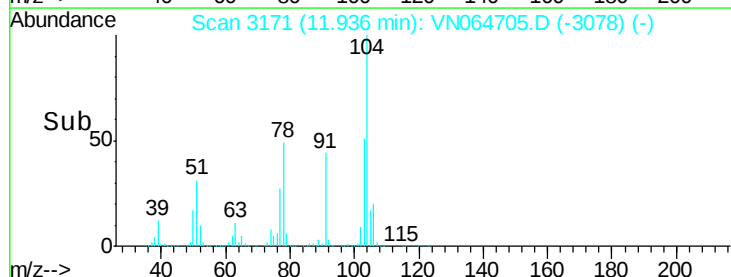
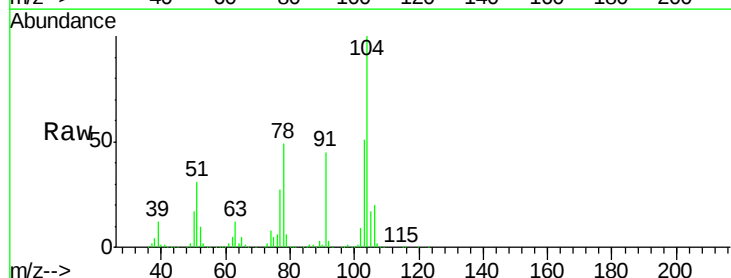
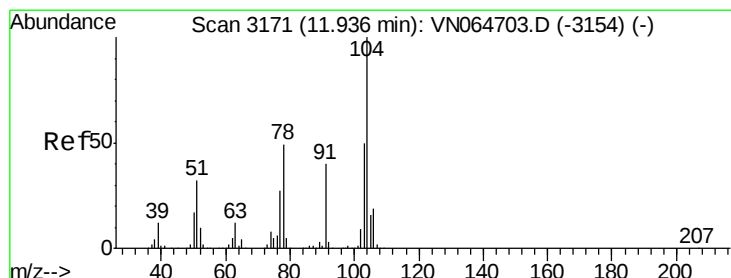
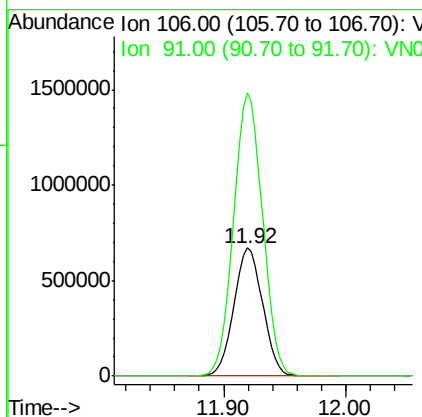
#69
o-Xylene
Concen: 168.135 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tot Ion:106 Resp: 1102250
Ion Ratio Lower Upper
106 100
91 222.2 112.1 336.3

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

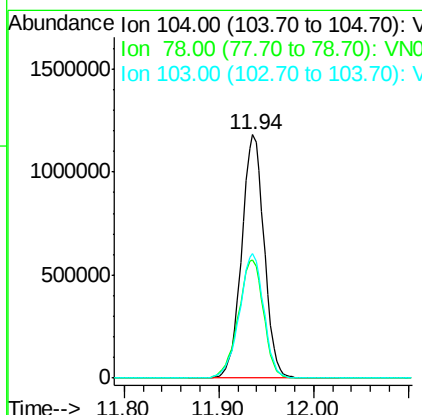
Manual Integrations
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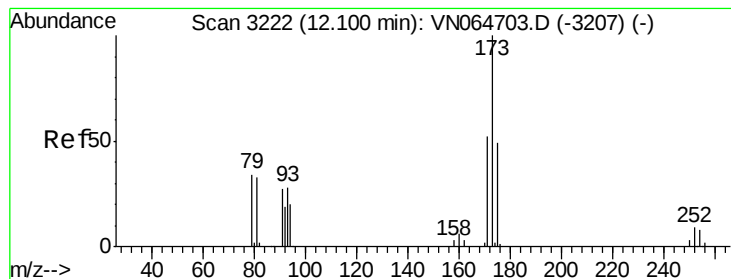
MMDadoda
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#70
Styrene
Concen: 175.582 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion:104 Resp: 1940357
Ion Ratio Lower Upper
104 100
78 54.4 44.1 66.1
103 55.5 43.7 65.5





#71

Bromoform

Concen: 177.289 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

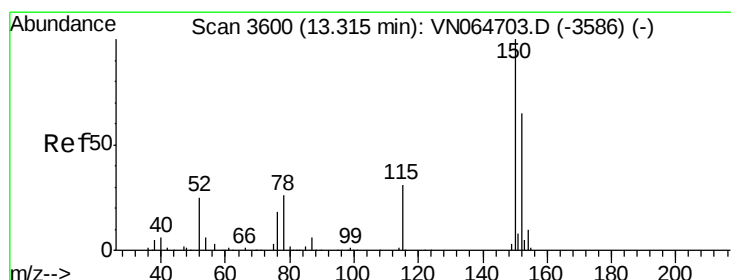
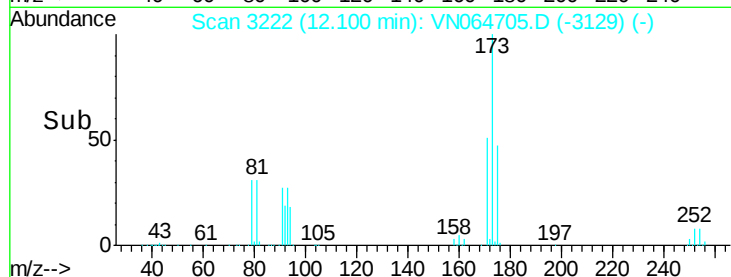
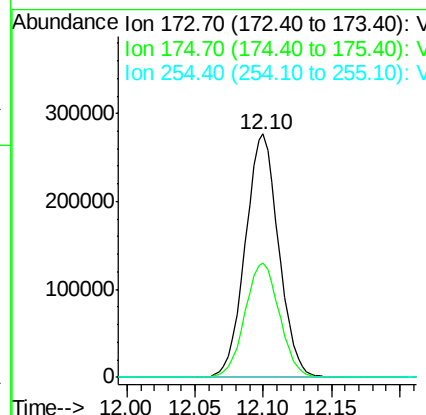
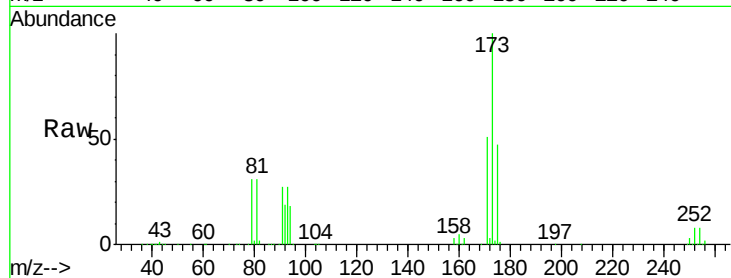
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

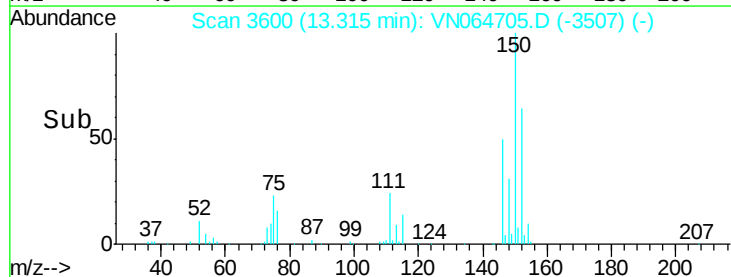
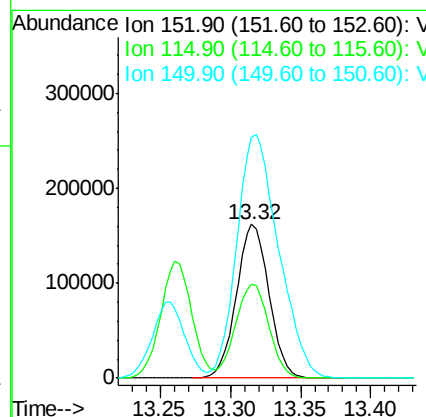
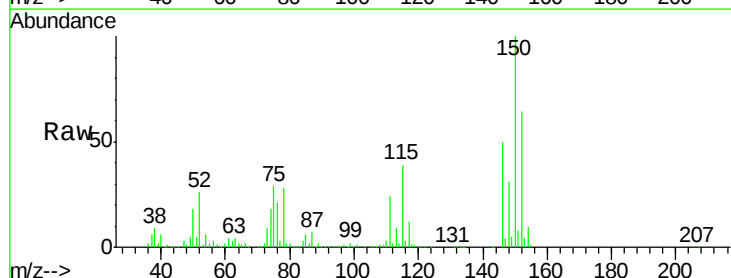
RT: 13.32 min Scan# 3600

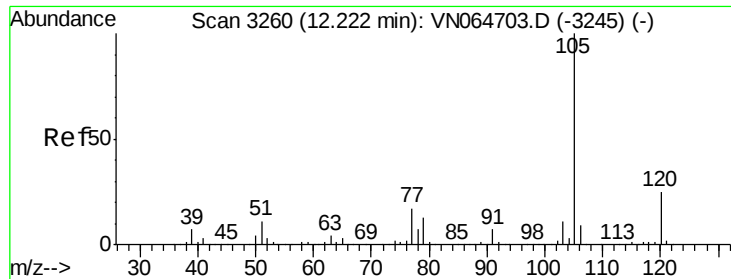
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.6	32.1	96.3
150	202.3	0.0	344.8





#73

Isopropylbenzene

Concen: 142.305 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2890460

Ion Ratio Lower Upper

105 100

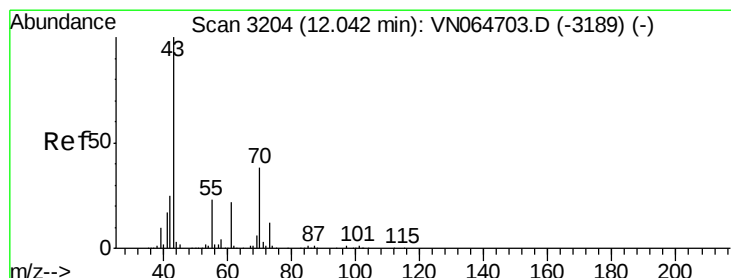
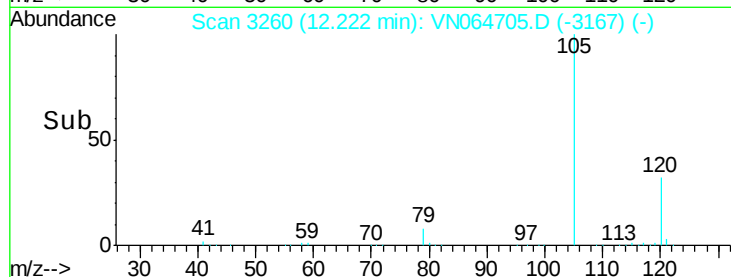
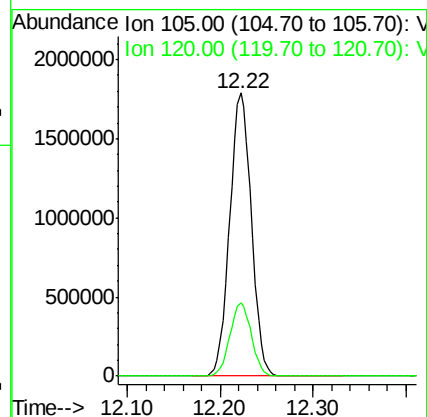
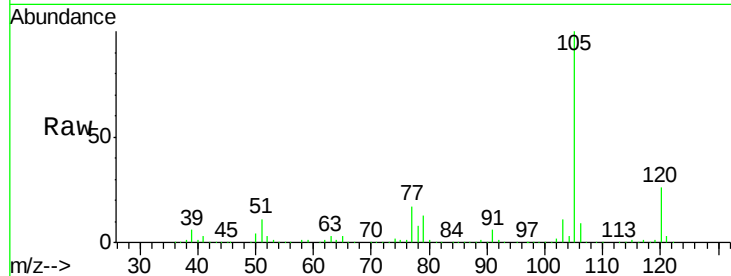
120 25.7 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 156.398 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion: 43 Resp: 1387081

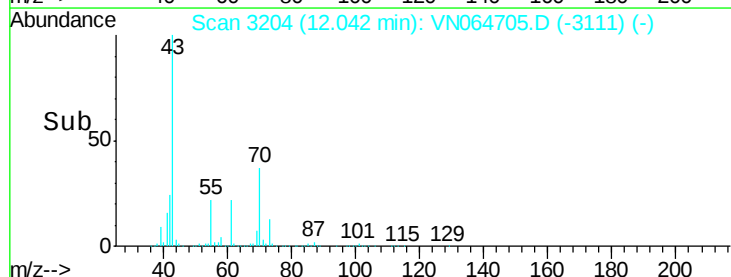
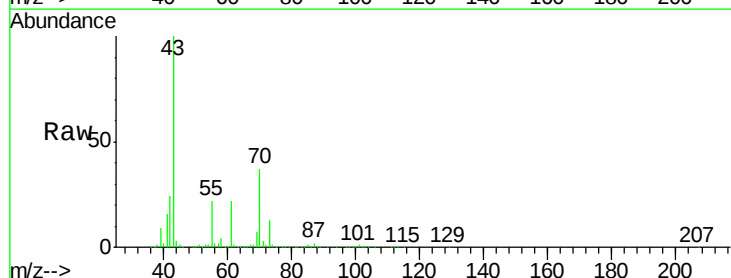
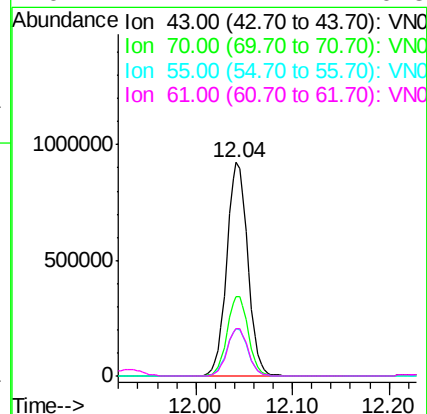
Ion Ratio Lower Upper

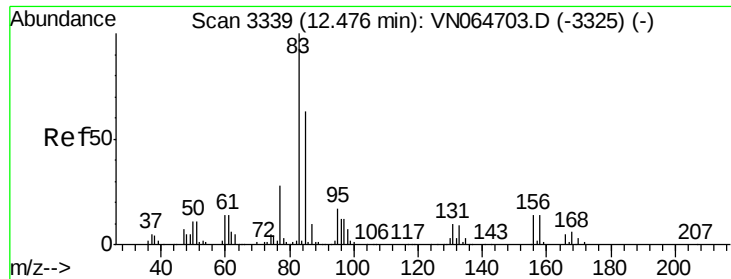
43 100

70 37.6 30.3 45.5

55 22.6 18.9 28.3

61 22.4 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 124.112 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

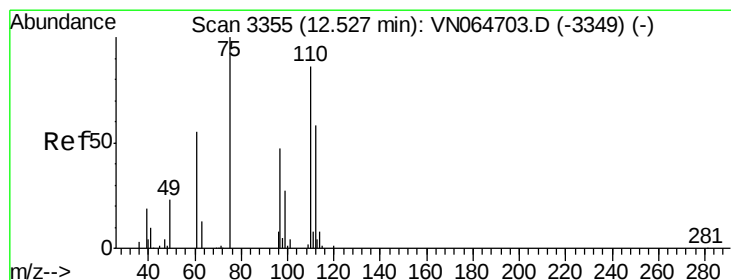
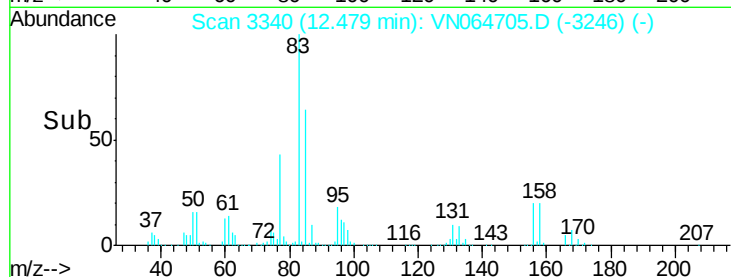
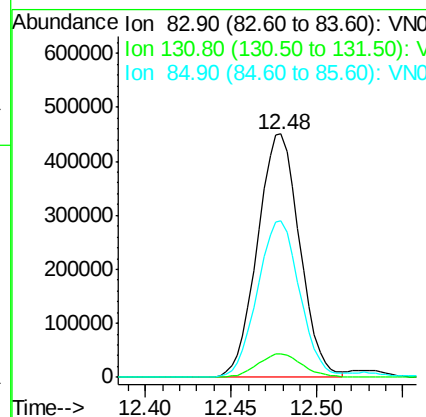
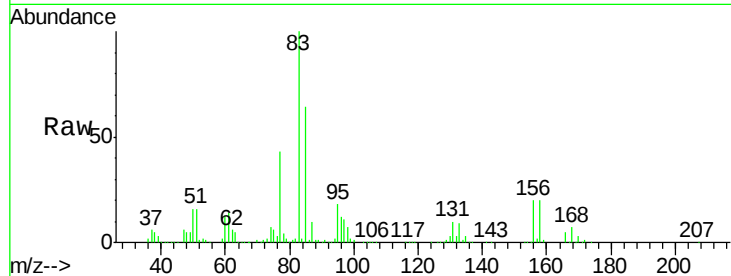
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	767667
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 138.394 ug/l m

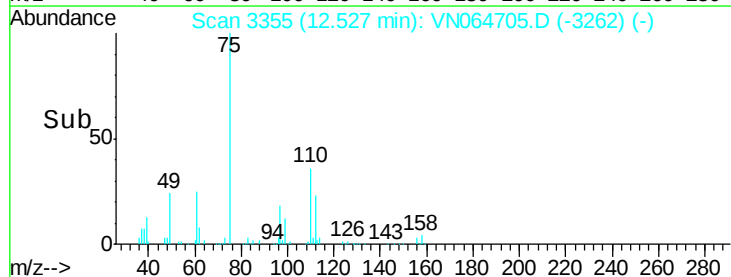
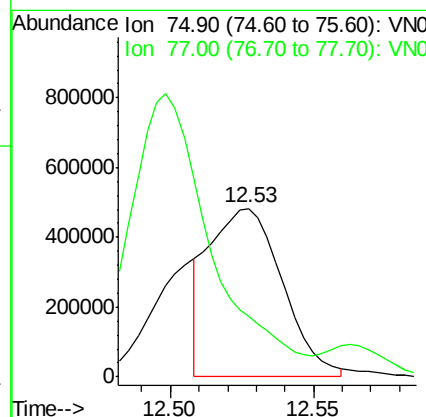
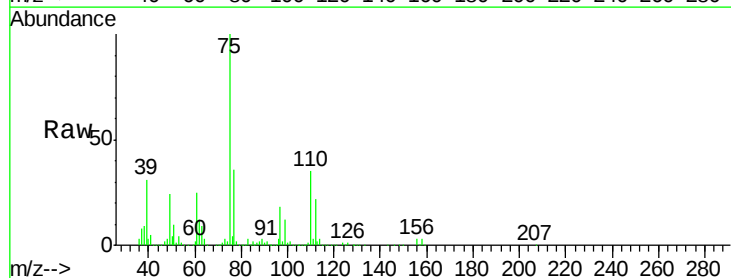
RT: 12.53 min Scan# 3355

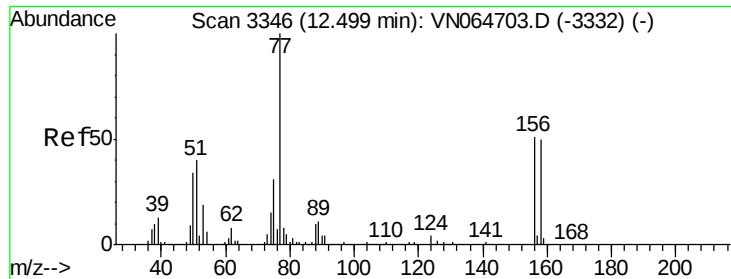
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion:	75	Resp:	857866
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 138.419 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

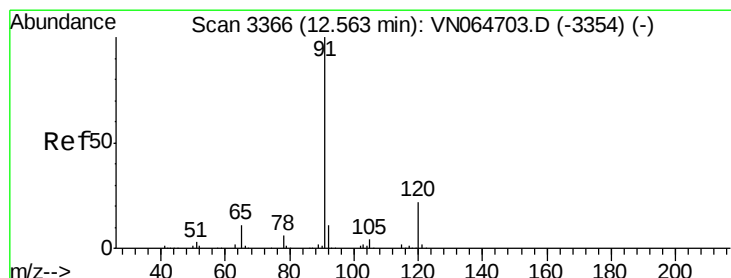
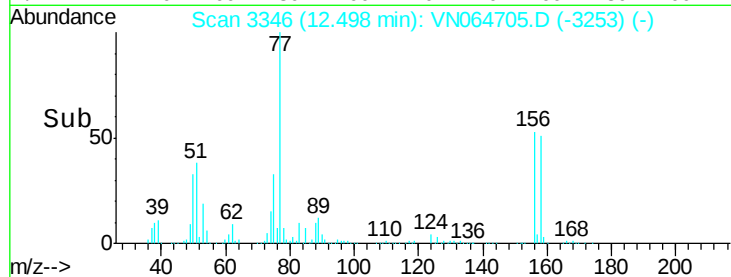
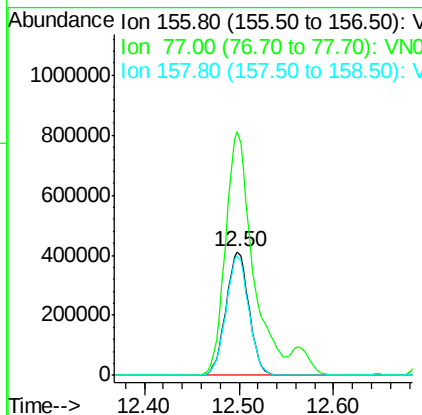
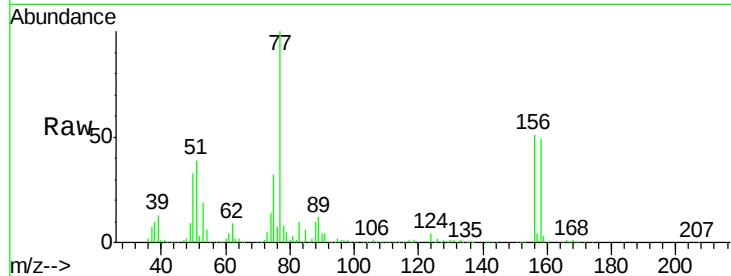
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	234.9	117.3	351.9
158	97.0	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 146.295 ug/l

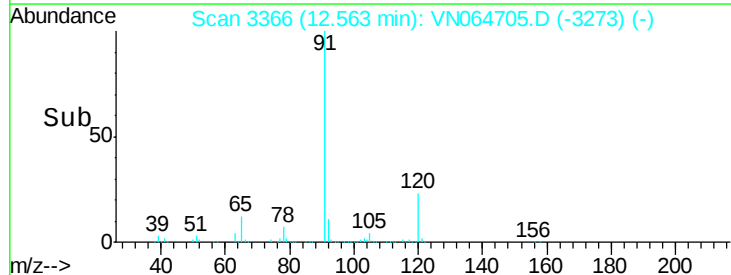
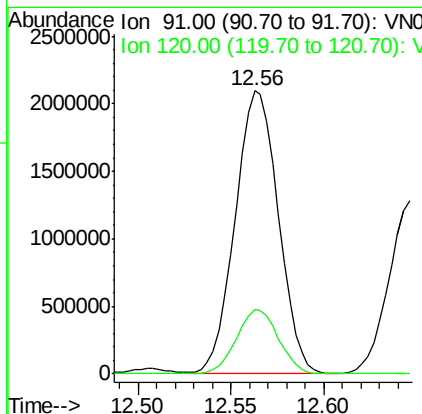
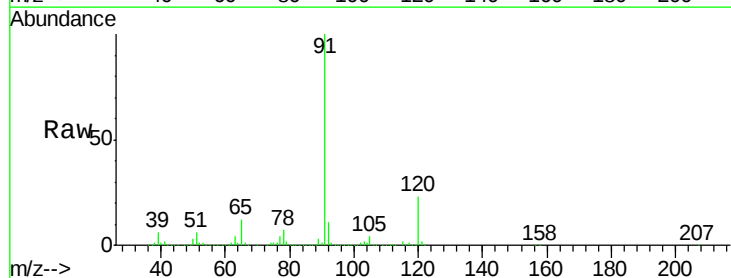
RT: 12.56 min Scan# 3366

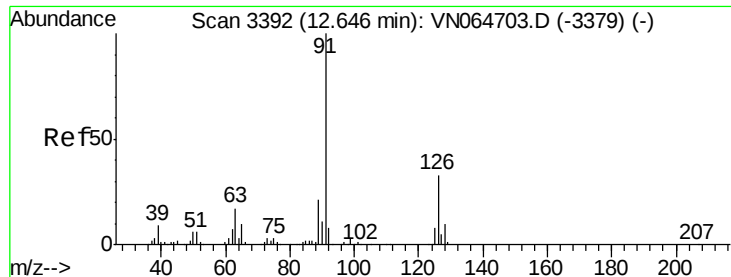
Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.9	32.9





#79

2-Chlorotoluene

Concen: 141.515 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2091646

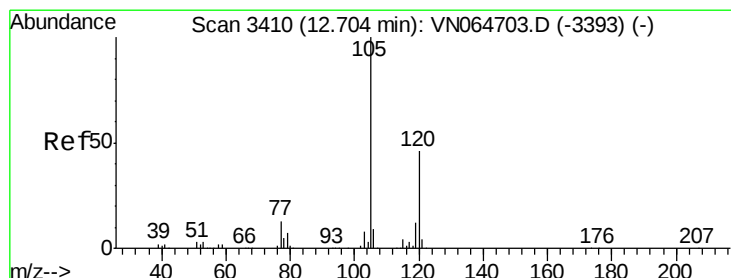
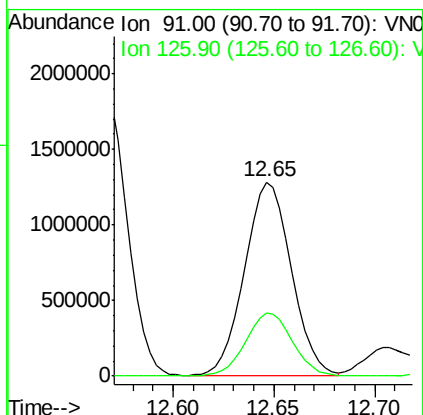
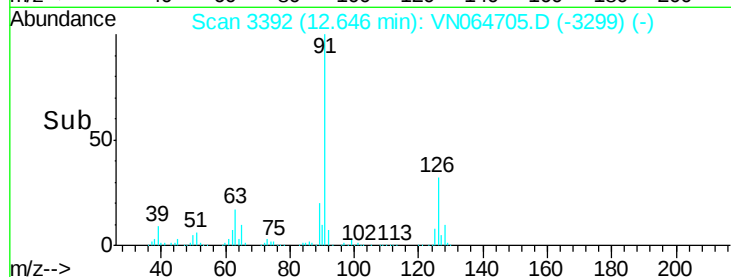
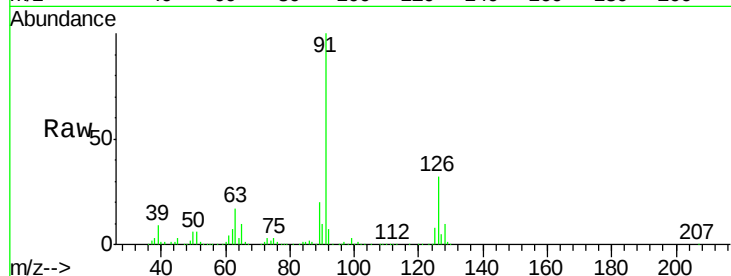
Ion Ratio Lower Upper

91 100

126 32.5 16.0 48.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 146.374 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064705.D

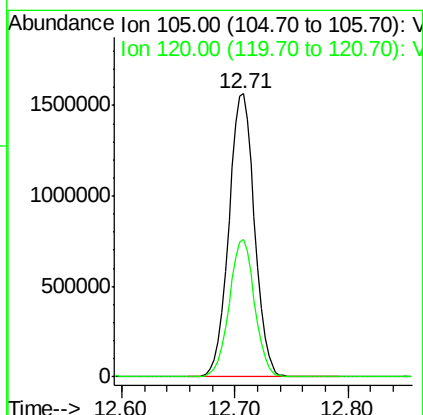
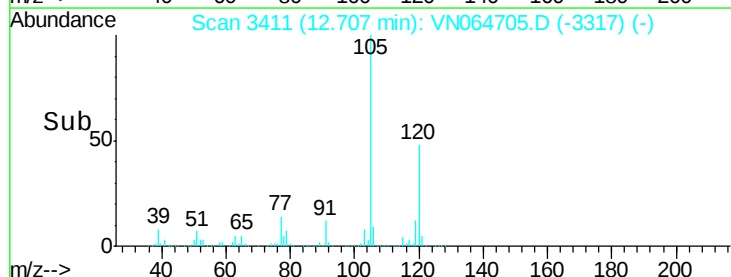
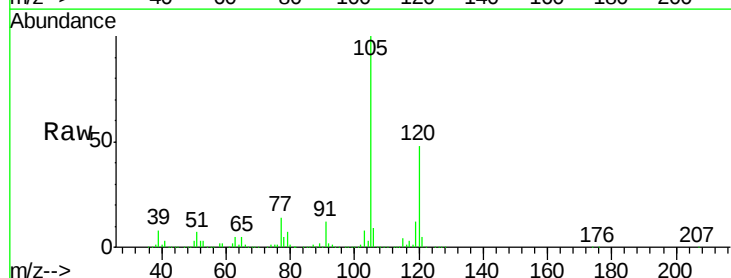
Acq: 18 Nov 2020 13:49

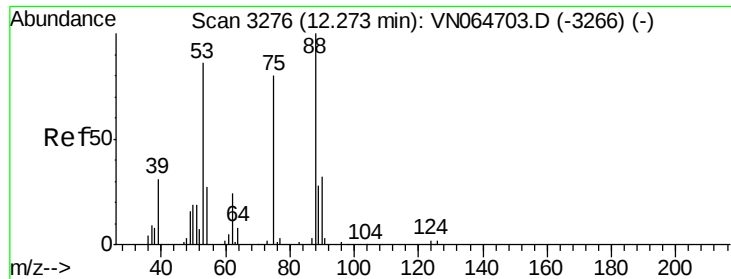
Tgt Ion: 105 Resp: 2462998

Ion Ratio Lower Upper

105 100

120 47.9 22.9 68.8





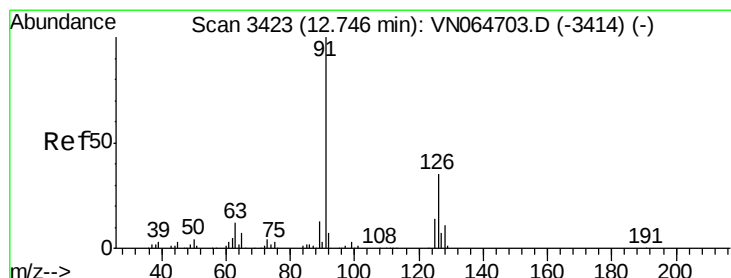
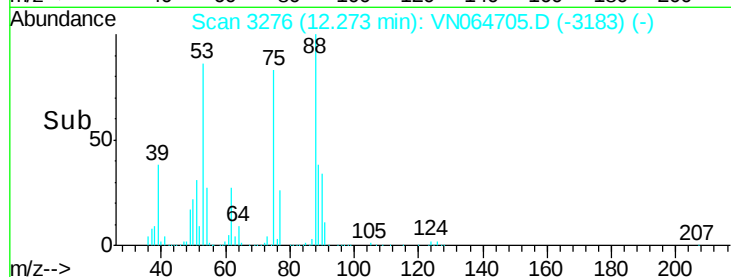
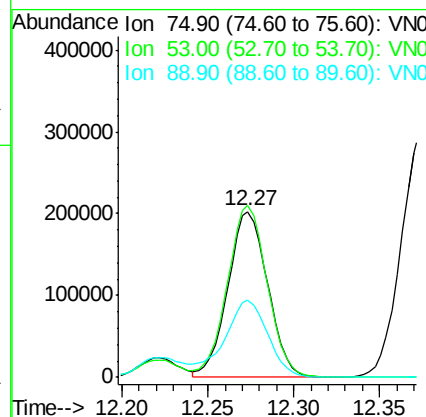
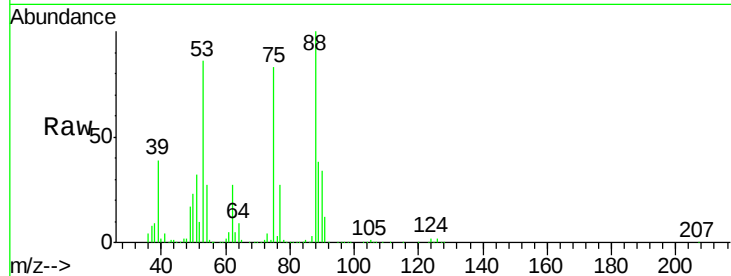
#81
trans-1,4-Dichloro-2-butene
Concen: 148.736 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	88.8	133.2
89	50.4	43.1	64.7

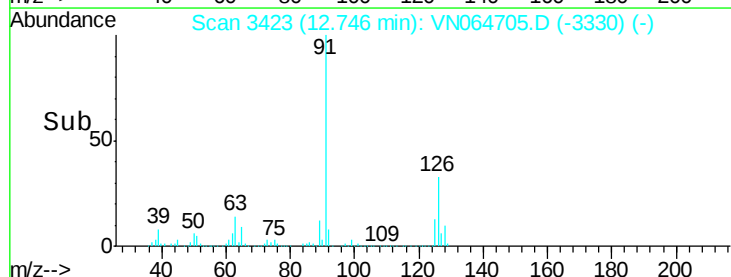
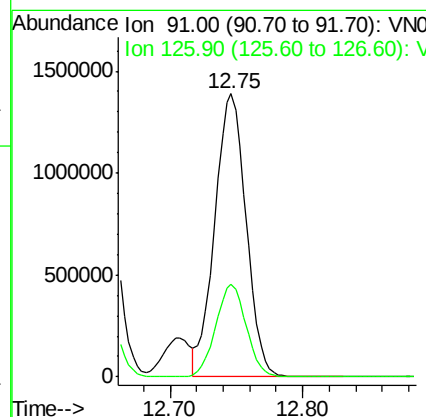
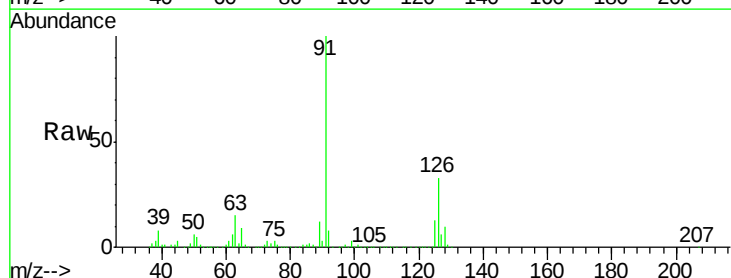
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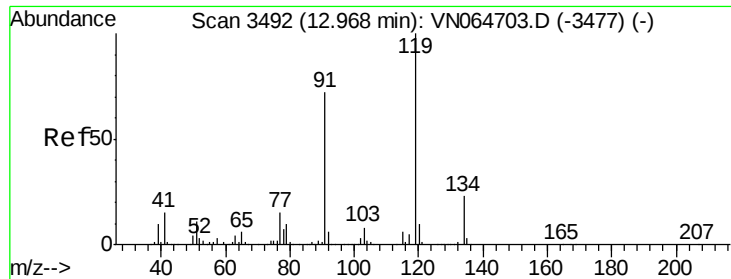
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#82
4-Chlorotoluene
Concen: 146.838 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.7





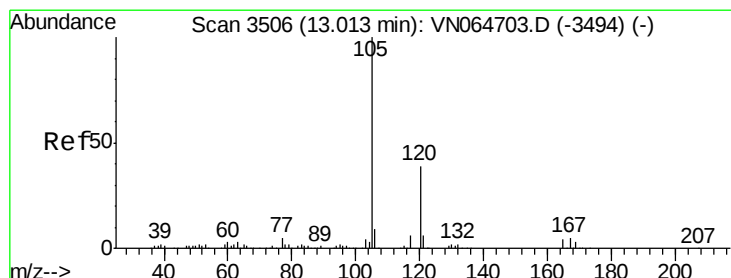
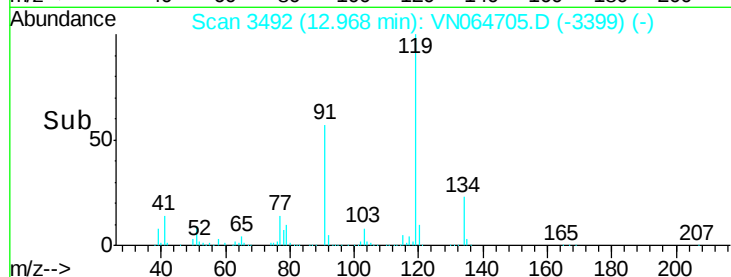
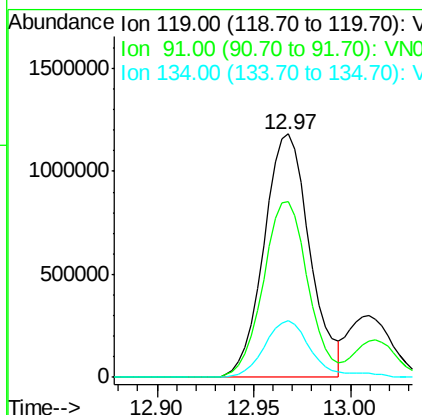
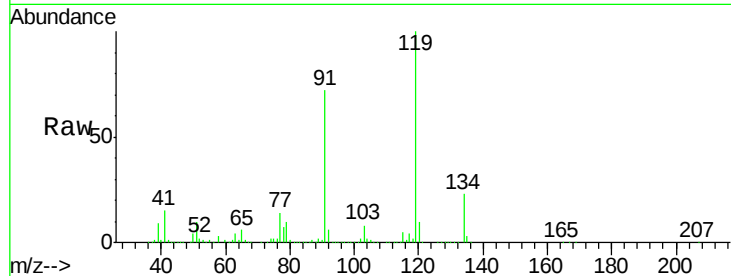
#83
 tert-Butylbenzene
 Concen: 148.408 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1954133
 Ion Ratio Lower Upper
 119 100
 91 70.4 35.8 107.4
 134 24.1 12.0 36.1

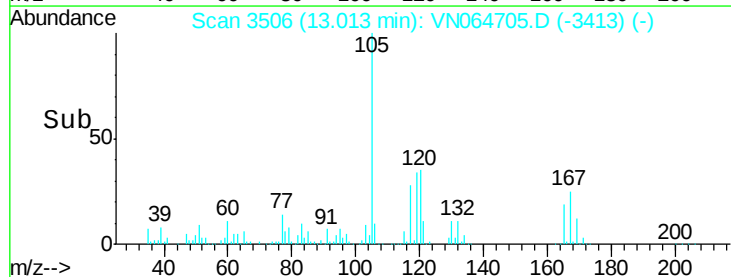
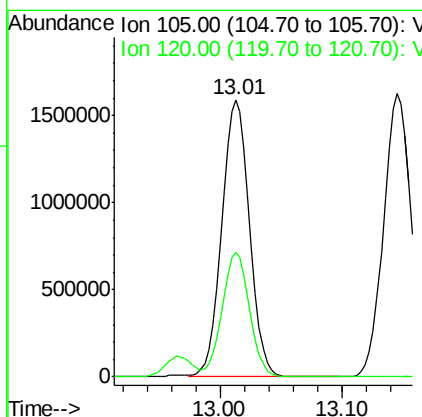
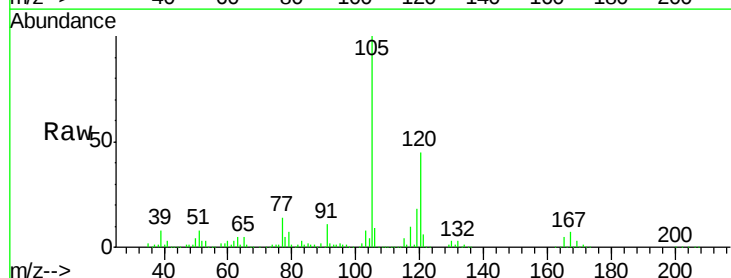
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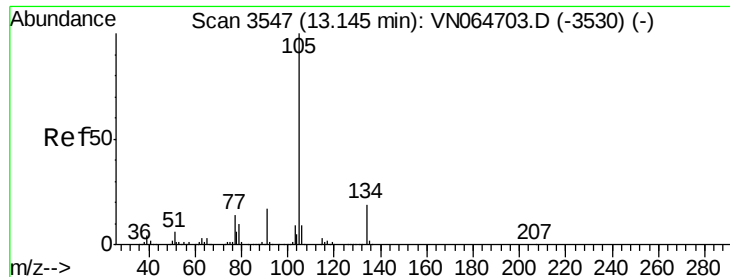
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#84
 1,2,4-Trimethylbenzene
 Concen: 149.697 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion:105 Resp: 2527218
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 153.385 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2559242

Ion Ratio Lower Upper

105 100

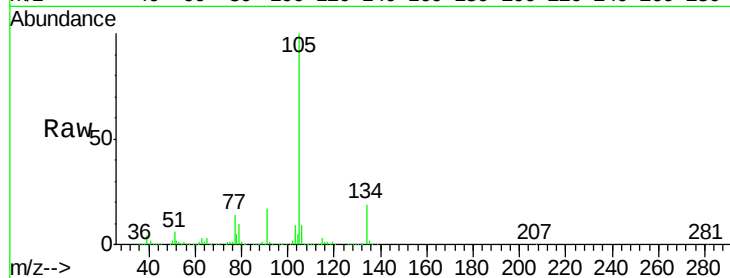
134 19.0 9.5 28.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

1500000

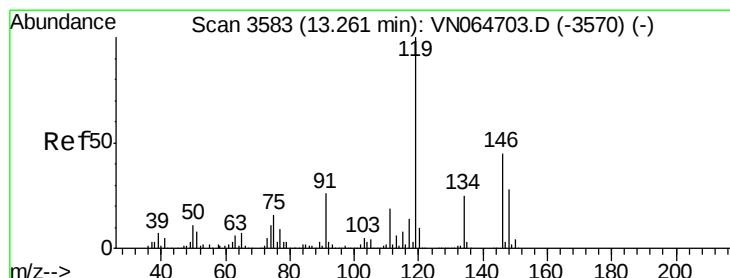
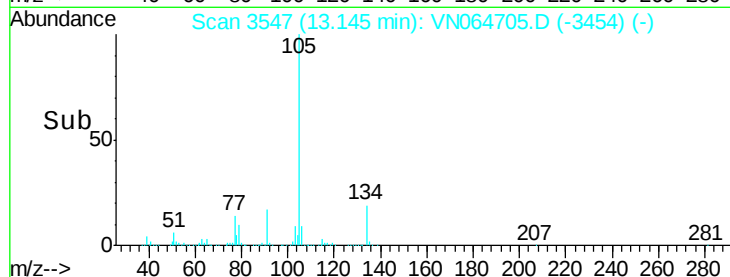
1000000

500000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 162.476 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

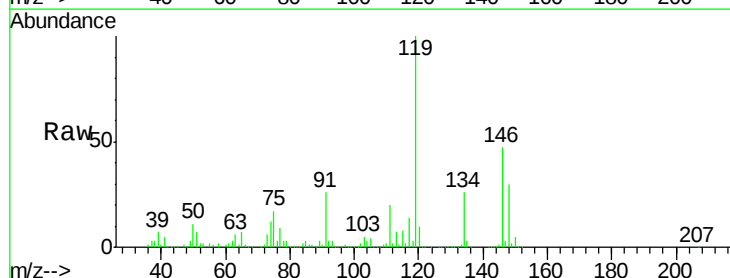
Tgt Ion:119 Resp: 2445643

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.0

91 26.2 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

2000000

1500000

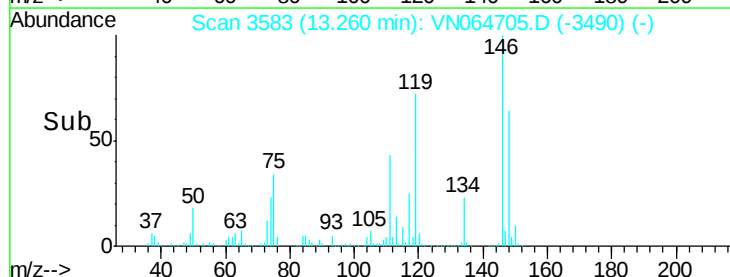
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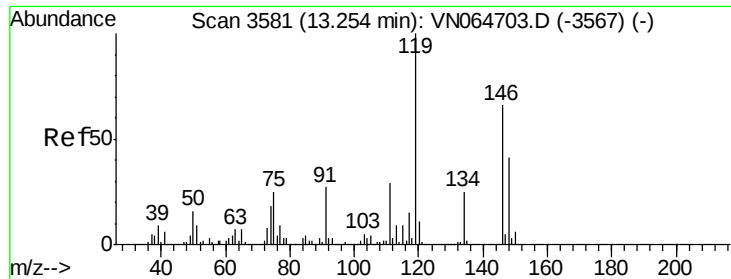
500000

0

Time-->

13.20 13.25 13.30 13.35





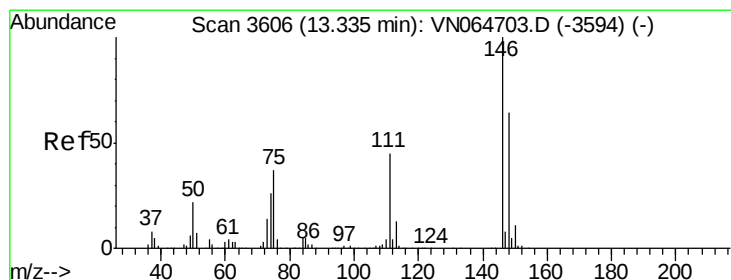
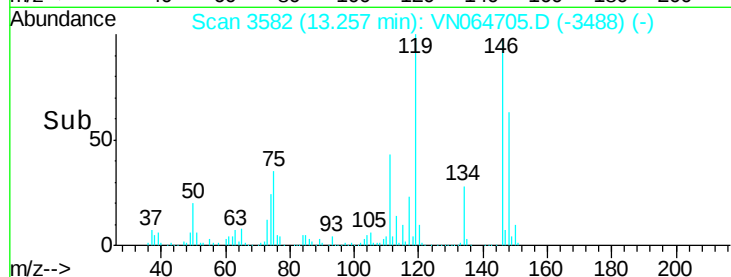
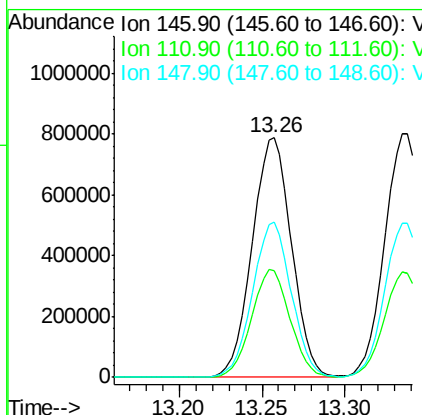
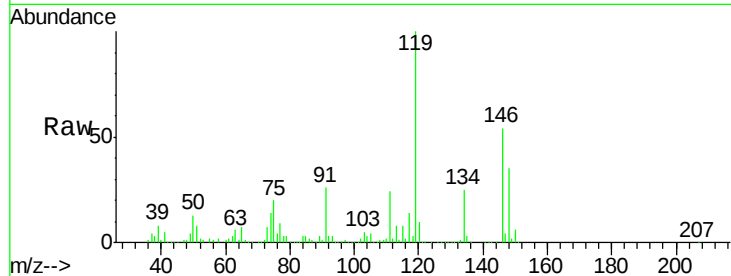
#87
 1,3-Dichlorobenzene
 Concen: 150.022 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1299043
 Ion Ratio Lower Upper
 146 100
 111 44.0 21.8 65.4
 148 63.7 31.5 94.5

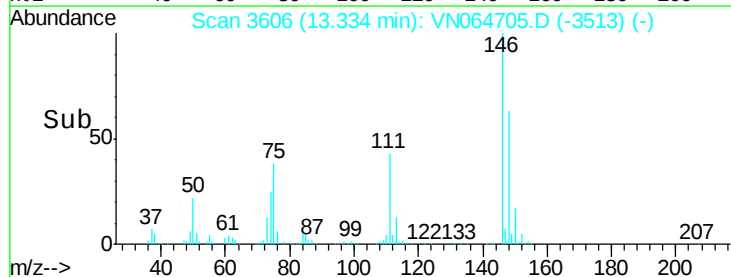
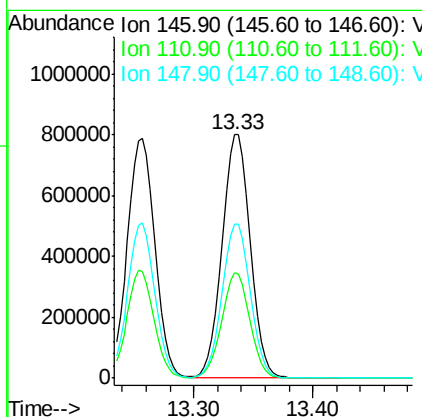
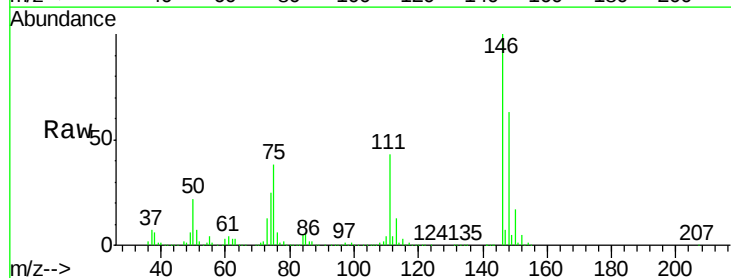
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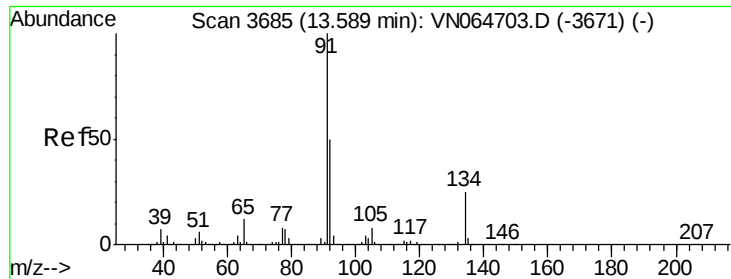
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#88
 1,4-Dichlorobenzene
 Concen: 146.896 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion:146 Resp: 1315191
 Ion Ratio Lower Upper
 146 100
 111 42.7 22.3 66.8
 148 63.5 31.6 94.7





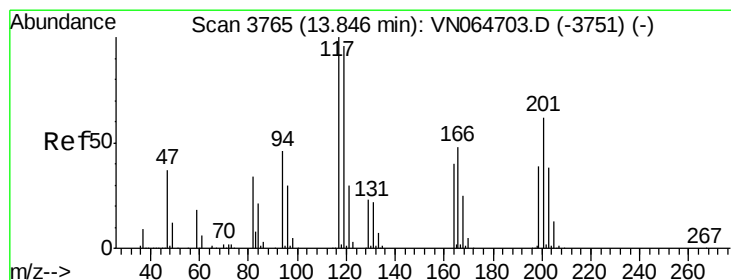
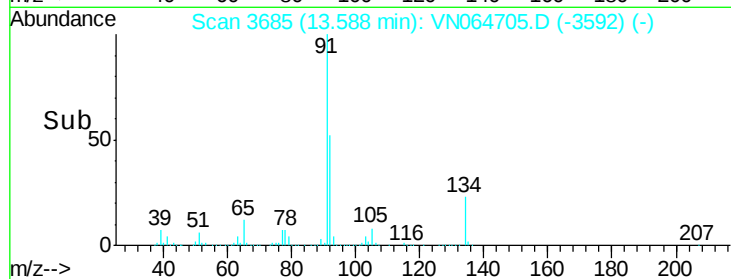
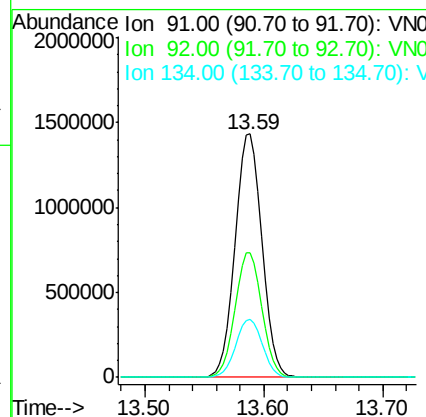
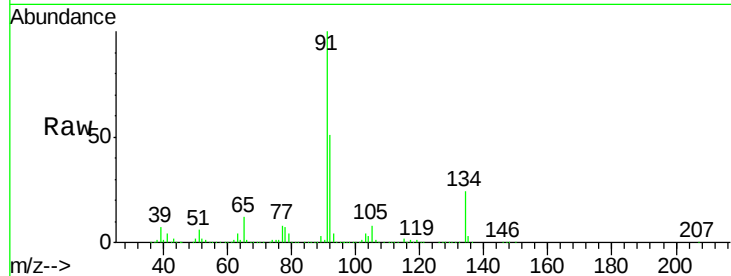
#89
n-Butylbenzene
Concen: 172.151 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	24.9	74.8
134	23.8	12.0	36.0

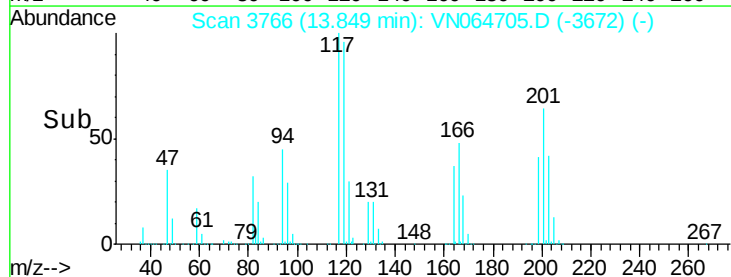
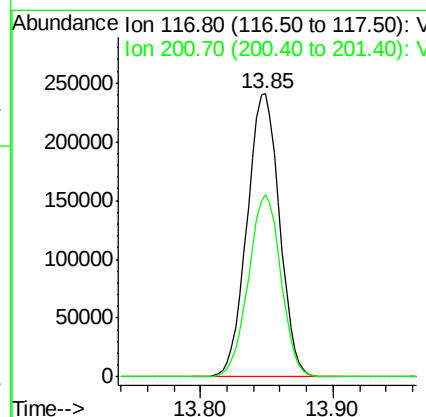
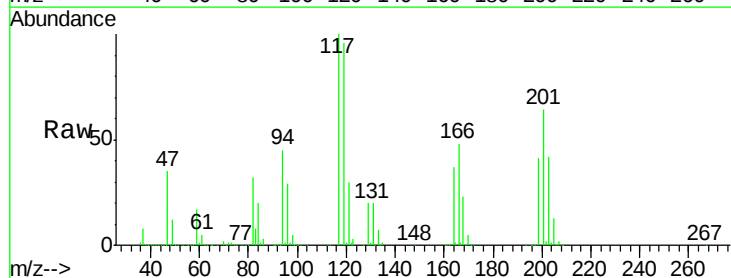
Manual Integrations
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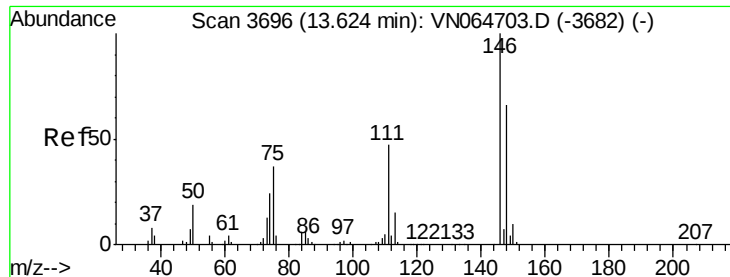
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#90
Hexachloroethane
Concen: 144.309 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064705.D
Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	64.3	31.9	95.5





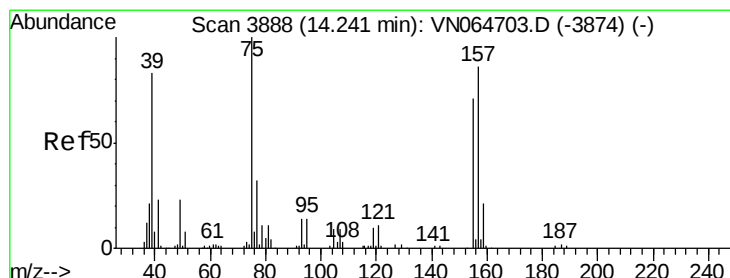
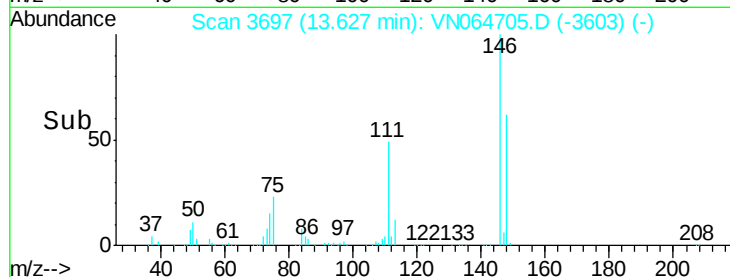
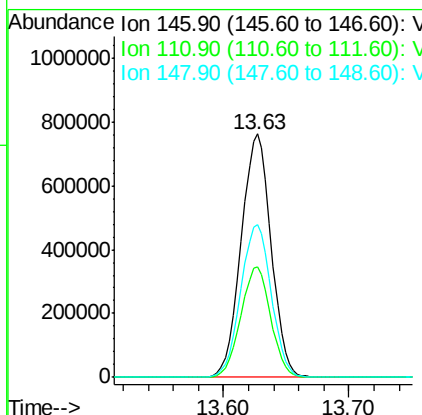
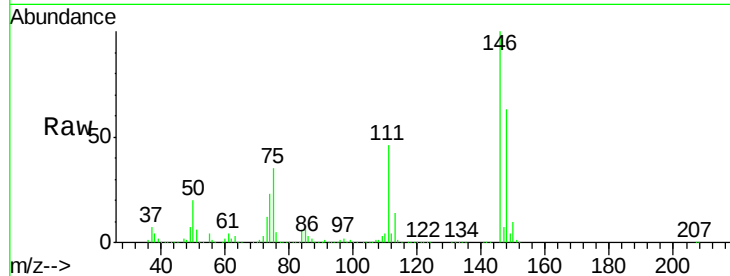
#91
 1,2-Dichlorobenzene
 Concen: 152.815 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	23.1	69.3
148	64.0	32.2	96.6

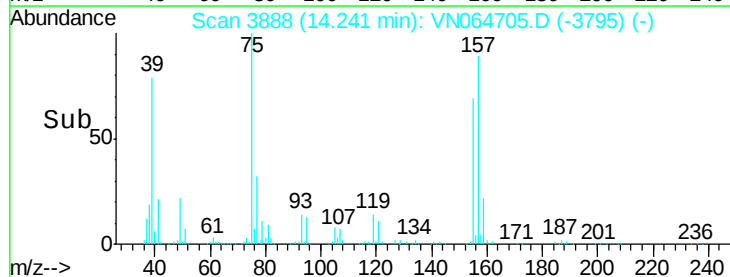
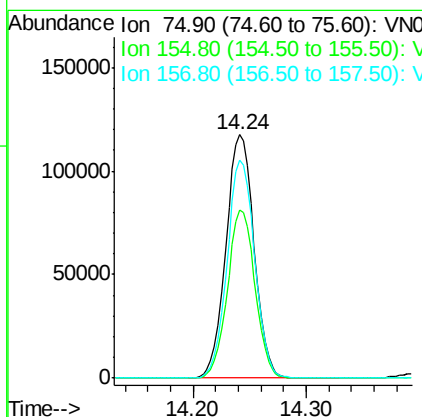
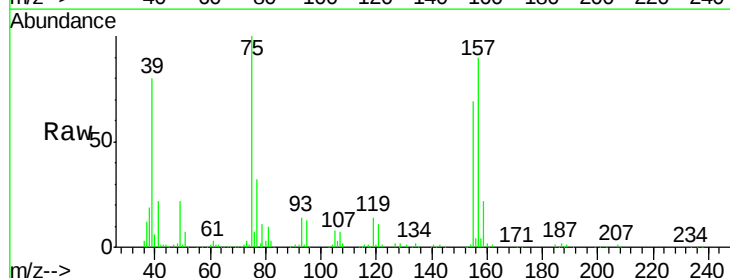
Manual Integrations
 APPROVED

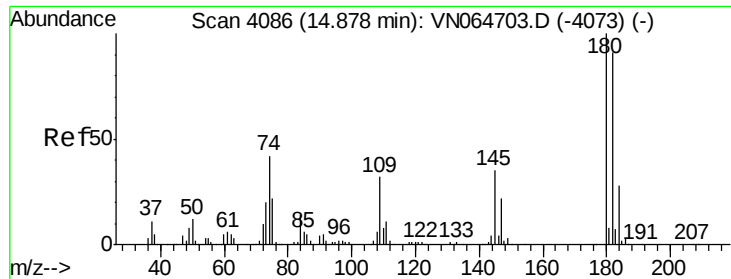
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 160.964 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.8	33.6	100.6
157	87.7	42.4	127.2





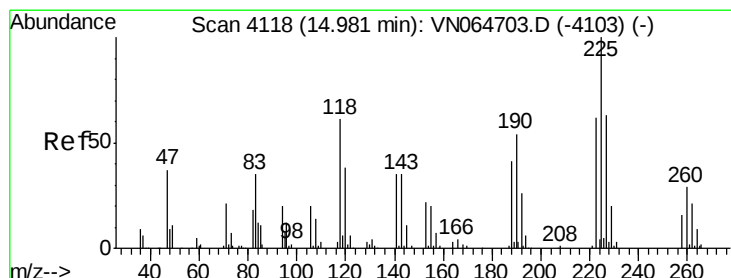
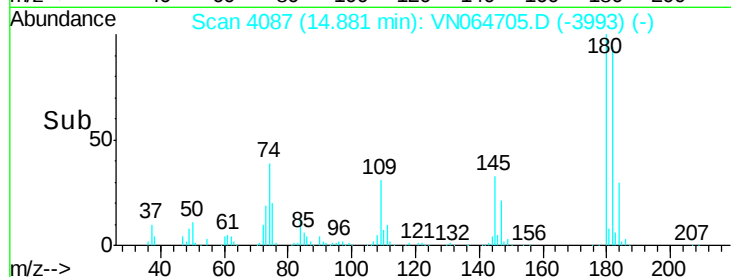
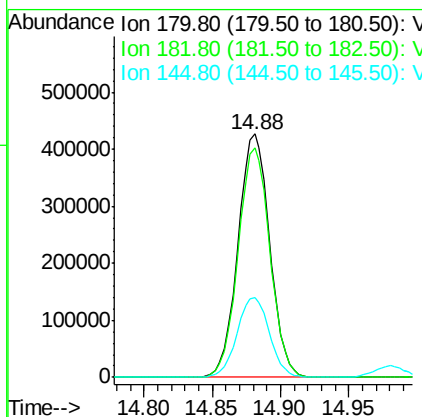
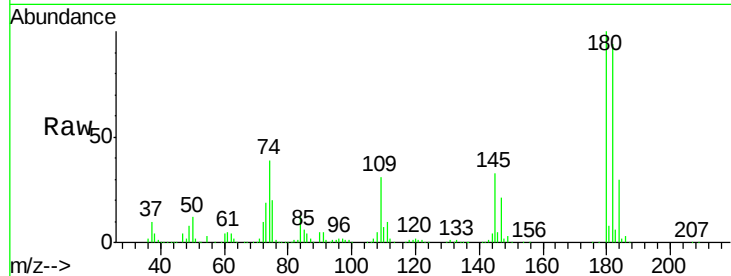
#93
 1,2,4-Trichlorobenzene
 Concen: 197.683 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	688094		
182	94.5	47.3	141.8	
145	33.6	17.5	52.5	

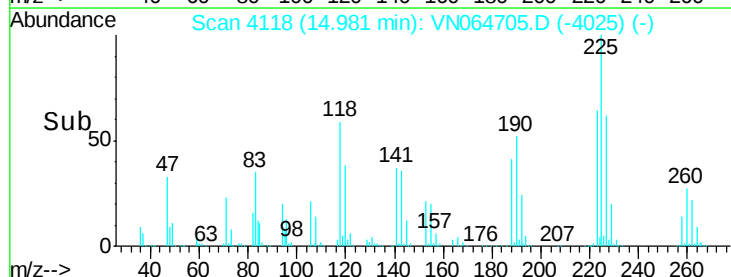
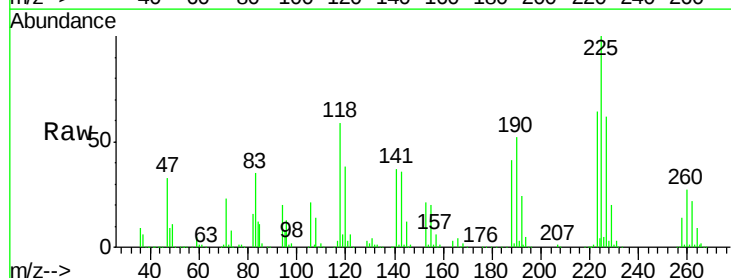
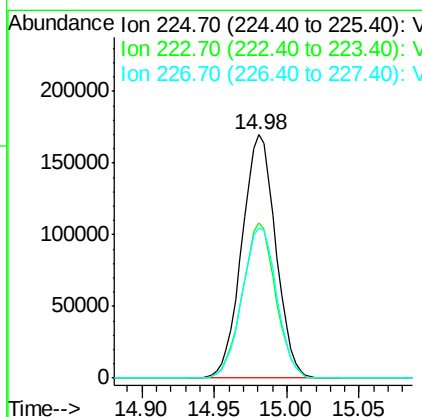
Manual Integrations
 APPROVED

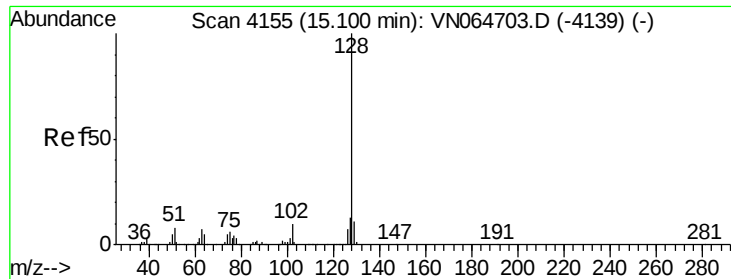
MMDadoda
 11/19/2020 2:10:08 PM



#94
 Hexachlorobutadiene
 Concen: 160.504 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064705.D
 Acq: 18 Nov 2020 13:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	275745		
223	62.7	31.2	93.6	
227	63.2	32.1	96.3	





#95

Naphthalene

Concen: 207.762 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2383606

Ion Ratio Lower Upper

128 100

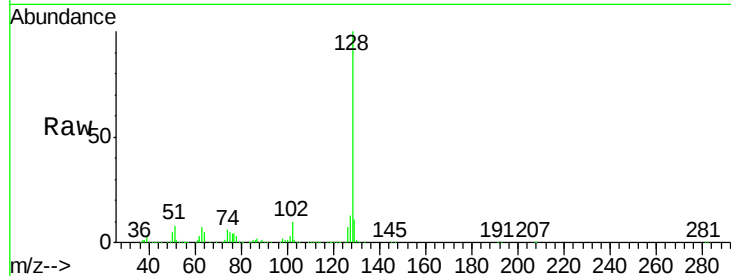
127 13.0 10.8 16.2

129 10.8 8.9 13.3

Manual Integrations
APPROVED

MMDadoda

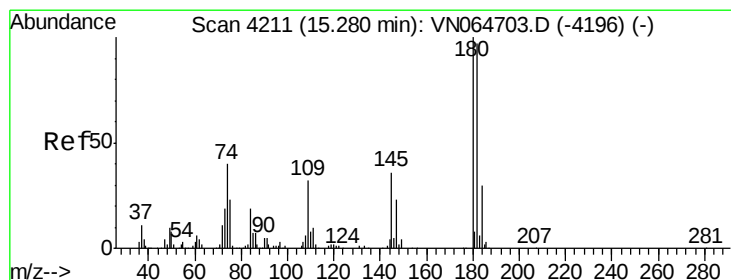
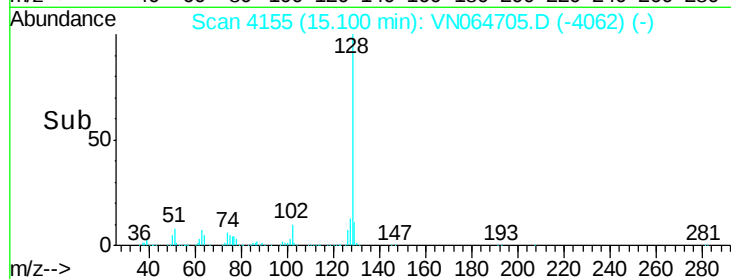
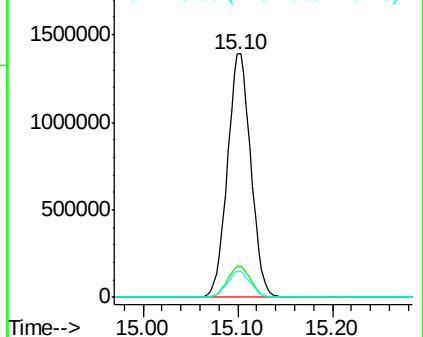
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 187.832 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064705.D

Acq: 18 Nov 2020 13:49

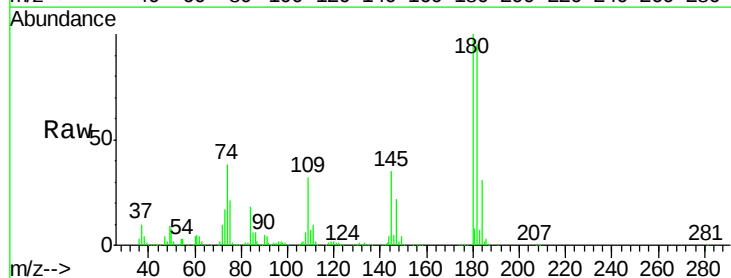
Tgt Ion:180 Resp: 652486

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.5

145 35.3 18.1 54.1



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

