

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064799.D
 Acq On : 24 Nov 2020 9:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 11:06:07 AM

Quant Time: Nov 25 04:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	203922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	306133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	280756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	140742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	112770	47.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.14%		
35) Dibromofluoromethane	7.54	113	95853	52.33	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	104.66%		
50) Toluene-d8	10.06	98	385651	51.53	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	103.06%		
62) 4-Bromofluorobenzene	12.37	95	137667	51.40	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.80%		

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89807	50.815	ug/l	100
3) Chloromethane	2.04	50	111188	48.413	ug/l	99
4) Vinyl Chloride	2.16	62	118794	49.612	ug/l	97
5) Bromomethane	2.53	94	77074	49.062	ug/l	99
6) Chloroethane	2.67	64	75105	50.713	ug/l	97
7) Trichlorofluoromethane	2.99	101	170200	51.422	ug/l	99
8) Diethyl Ether	3.37	74	67061	51.329	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	106773	53.775	ug/l	99
10) Methyl Iodide	3.90	142	136264	52.909	ug/l	98
11) Tert butyl alcohol	4.74	59	79229	214.294	ug/l	98
12) 1,1-Dichloroethene	3.69	96	100738	50.944	ug/l	100
13) Acrolein	3.56	56	54595	241.751	ug/l	97
14) Allyl chloride	4.27	41	163739	50.204	ug/l	99
15) Acrylonitrile	4.93	53	246303	241.151	ug/l	99
16) Acetone	3.77	43	160336	205.737	ug/l	97
17) Carbon Disulfide	4.00	76	264657	51.835	ug/l	97
18) Methyl Acetate	4.28	43	108596	46.347	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	321633	50.714	ug/l	100
20) Methylene Chloride	4.50	84	116767	47.815	ug/l	100
21) trans-1,2-Dichloroethene	4.98	96	109938	50.064	ug/l	98
22) Diisopropyl ether	5.90	45	341440	52.303	ug/l	99
23) Vinyl Acetate	5.84	43	1363930	261.272	ug/l	100
24) 1,1-Dichloroethane	5.79	63	203601	52.187	ug/l	100
25) 2-Butanone	6.78	43	289238	228.950	ug/l	98
26) 2,2-Dichloropropane	6.77	77	173603	51.306	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	126779	51.307	ug/l	99
28) Bromochloromethane	7.14	49	84910	47.574	ug/l	95
29) Tetrahydrofuran	7.16	42	203999	233.927	ug/l	99
30) Chloroform	7.33	83	208061	51.714	ug/l	98
31) Cyclohexane	7.61	56	171008	51.754	ug/l	95
32) 1,1,1-Trichloroethane	7.52	97	178729	51.723	ug/l	99
36) 1,1-Dichloropropene	7.75	75	158937	56.012	ug/l	100
37) Ethyl Acetate	6.88	43	128490	47.009	ug/l	100
38) Carbon Tetrachloride	7.73	117	161472	54.691	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	174148	57.011	ug/l	98
40) Benzene	8.00	78	465916	53.583	ug/l	100
41) Methacrylonitrile	7.12	41	66807	52.970	ug/l	89
42) 1,2-Dichloroethane	8.08	62	153304	52.264	ug/l	99
43) Isopropyl Acetate	8.13	43	214382	48.742	ug/l	99
44) Trichloroethene	8.80	130	136950	53.380	ug/l	98
45) 1,2-Dichloropropane	9.08	63	123026	54.635	ug/l	100
46) Dibromomethane	9.17	93	78437	52.140	ug/l	97
47) Bromodichloromethane	9.37	83	164467	54.335	ug/l	98
48) Methyl methacrylate	9.16	41	105513	50.205	ug/l	98
49) 1,4-Dioxane	9.16	88	39237	987.804	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	668210	253.064	ug/l	99
52) Toluene	10.12	92	295949	55.267	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	181035	53.698	ug/l	98
54) cis-1,3-Dichloropropene	9.80	75	199713	55.266	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	114743	52.109	ug/l	96
56) Ethyl methacrylate	10.40	69	165241	54.380	ug/l	99
57) 1,3-Dichloropropane	10.68	76	192163	52.903	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	354151	211.880	ug/l	100
59) 2-Hexanone	10.72	43	474606	249.752	ug/l	100
60) Dibromochloromethane	10.87	129	133243	54.436	ug/l	99
61) 1,2-Dibromoethane	10.97	107	117511	52.527	ug/l	99
64) Tetrachloroethene	10.60	164	144664	52.962	ug/l	98
65) Chlorobenzene	11.40	112	325851	54.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	121518	54.843	ug/l	99
67) Ethyl Benzene	11.48	91	560985	55.697	ug/l	99
68) m/p-Xylenes	11.59	106	442065	115.925	ug/l	99
69) o-Xylene	11.92	106	208857	57.716	ug/l	100
70) Styrene	11.94	104	358248	58.643	ug/l	99
71) Bromoform	12.10	173	90710	51.257	ug/l #	100
73) Isopropylbenzene	12.22	105	553954	56.586	ug/l	100
74) N-amyl acetate	12.04	43	195881	50.844	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	142159	49.544	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	154979m	51.131	ug/l	
77) Bromobenzene	12.50	156	139317	52.786	ug/l	99
78) n-propylbenzene	12.56	91	636944	57.113	ug/l	100
79) 2-Chlorotoluene	12.65	91	371549	53.897	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	476057	58.505	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	55267	49.975	ug/l #	88
82) 4-Chlorotoluene	12.75	91	394573	54.605	ug/l	100
83) tert-Butylbenzene	12.96	119	391304	57.372	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	474732	57.703	ug/l	100
85) sec-Butylbenzene	13.14	105	523290	57.786	ug/l	99
86) p-Isopropyltoluene	13.26	119	488919	59.302	ug/l	100
87) 1,3-Dichlorobenzene	13.25	146	256695	54.743	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	254640	51.350	ug/l	99
89) n-Butylbenzene	13.59	91	415473	57.383	ug/l	100
90) Hexachloroethane	13.85	117	77925	54.407	ug/l	99
91) 1,2-Dichlorobenzene	13.62	146	243546	52.897	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30434	47.139	ug/l	99

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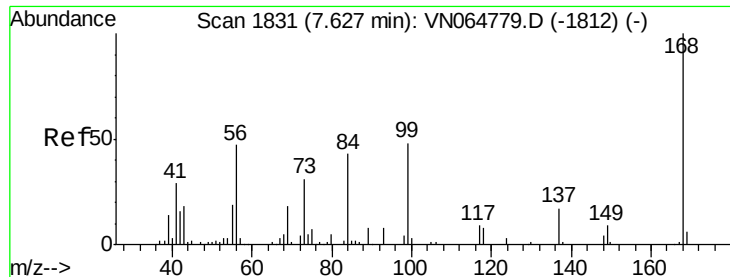
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	150570	52.865	ug/l	98
94) Hexachlorobutadiene	14.98	225	67655	52.729	ug/l	100
95) Naphthalene	15.10	128	427227	50.069	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	139984	51.671	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.01 min

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Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 203922

Ion Ratio Lower Upper

168 100

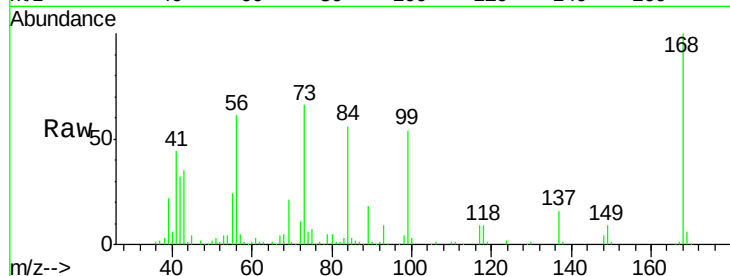
99 53.8 43.0 64.4

Manual Integrations

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11/25/2020 11:06:07 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

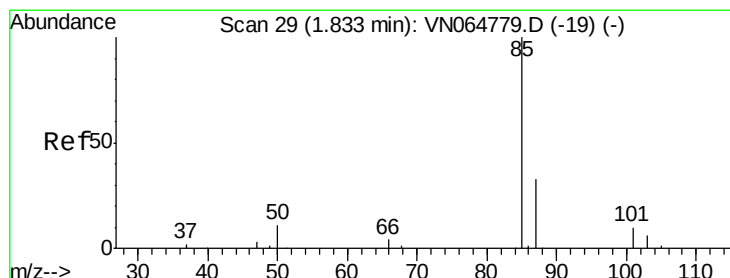
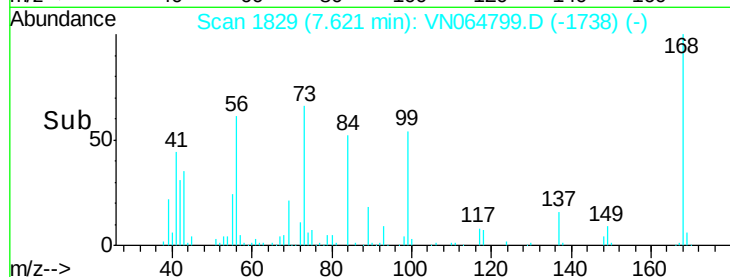
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.815 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064799.D

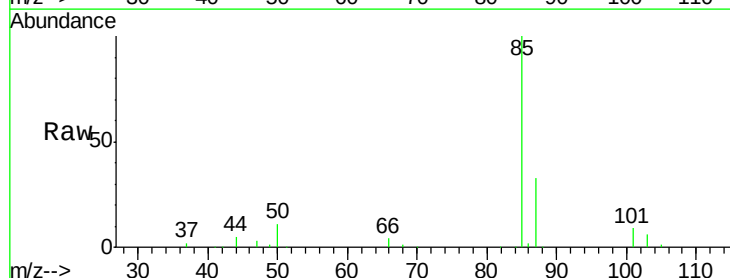
Acq: 24 Nov 2020 9:55

Tgt Ion: 85 Resp: 89807

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

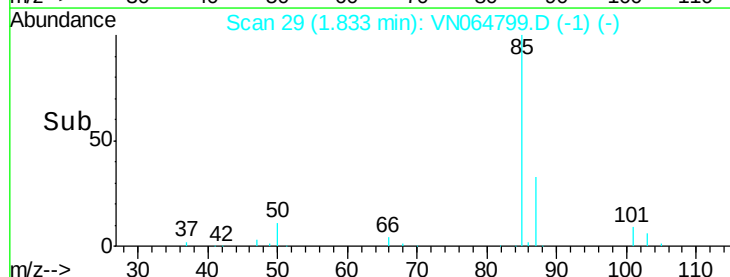
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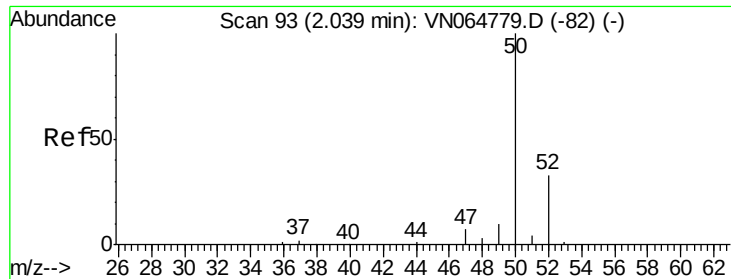
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.413 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tot Ion: 50 Resp: 111188

Ion Ratio Lower Upper

50 100

52 32.7 26.6 39.8

Instrument :

MSVOA_N

ClientSampleId :

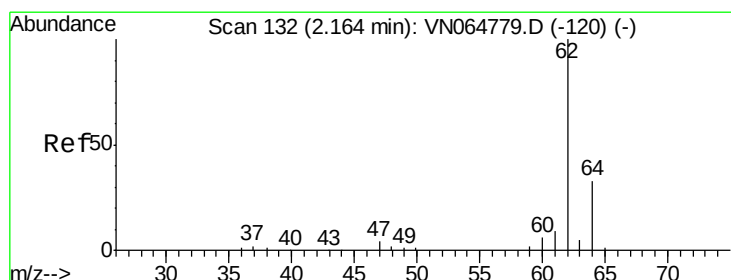
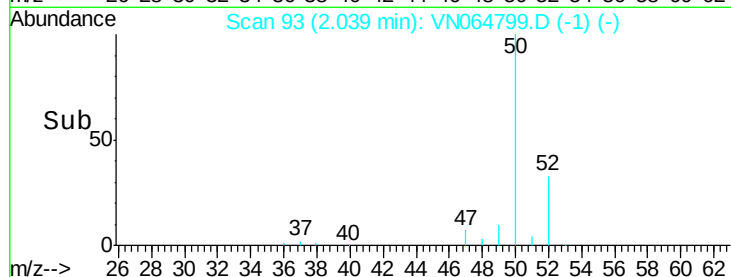
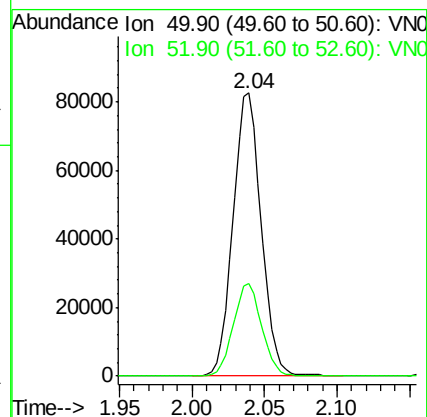
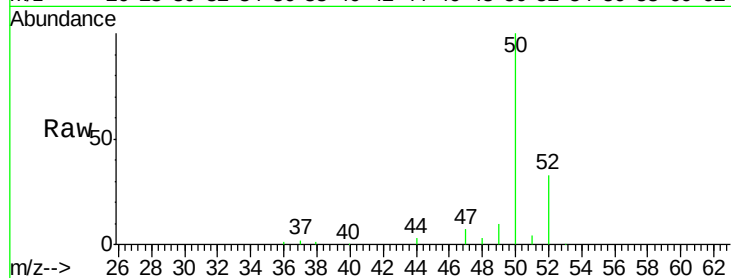
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.612 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064799.D

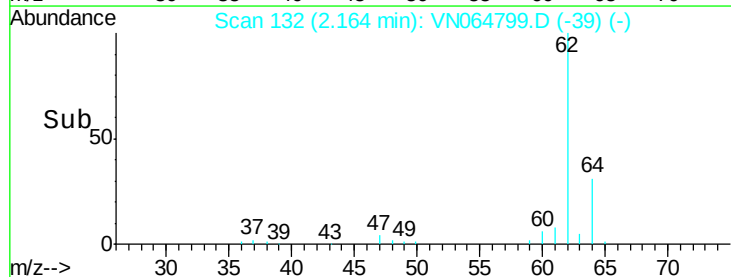
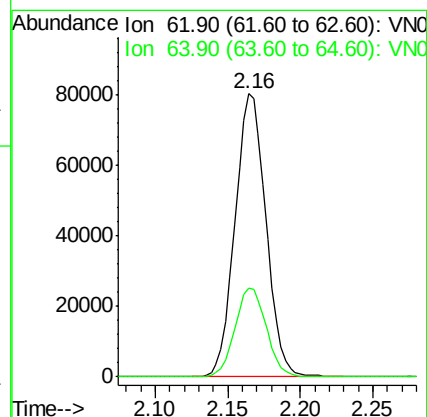
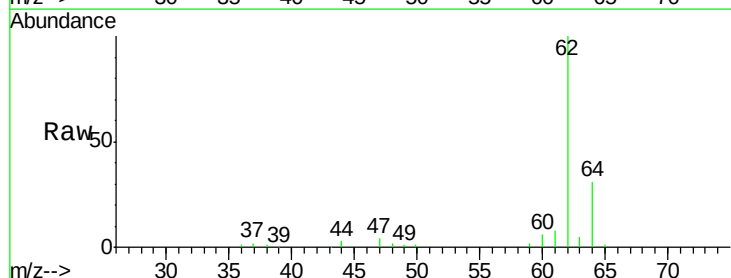
Acq: 24 Nov 2020 9:55

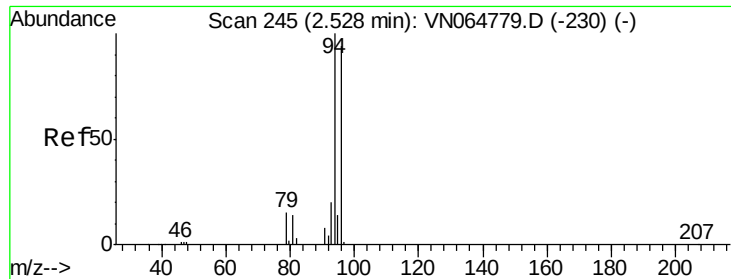
Tgt Ion: 62 Resp: 118794

Ion Ratio Lower Upper

62 100

64 31.4 26.5 39.7





#5

Bromomethane

Concen: 49.062 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77074

Ion Ratio Lower Upper

94 100

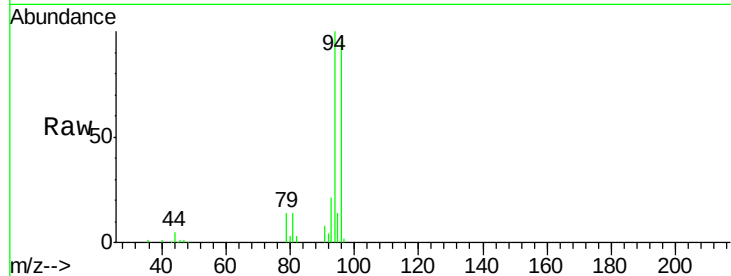
96 95.3 75.4 113.0

Manual Integrations

APPROVED

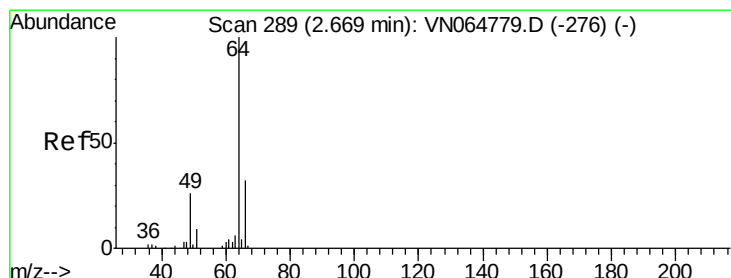
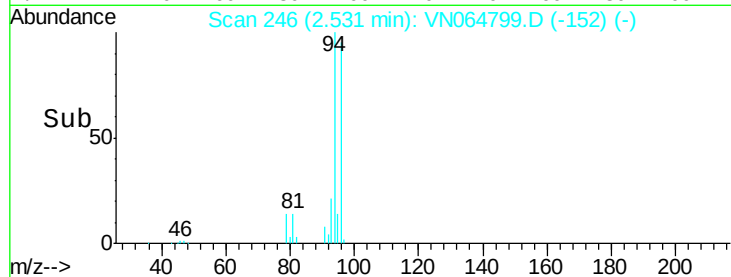
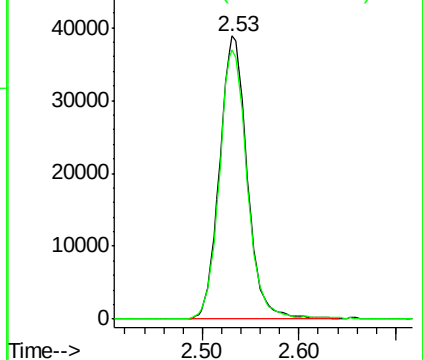
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.713 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064799.D

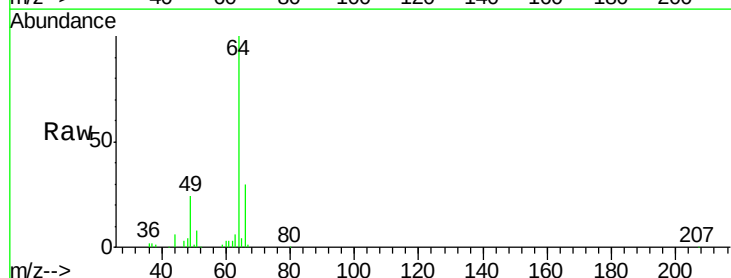
Acq: 24 Nov 2020 9:55

Tgt Ion: 64 Resp: 75105

Ion Ratio Lower Upper

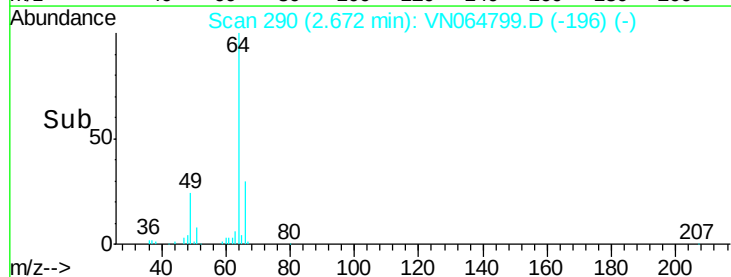
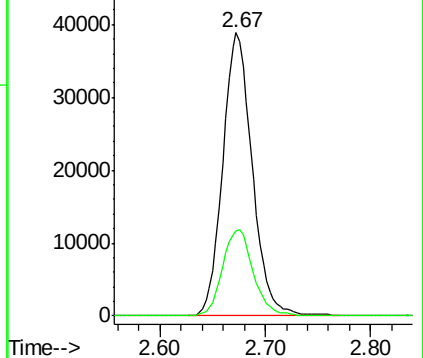
64 100

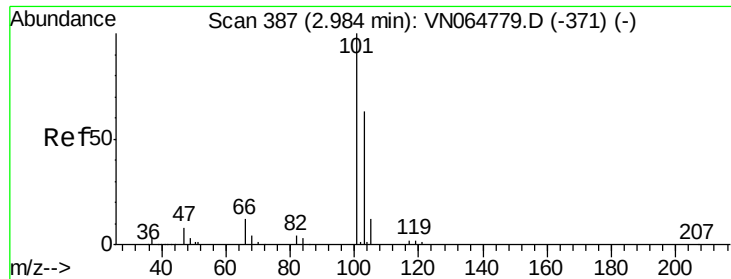
66 30.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

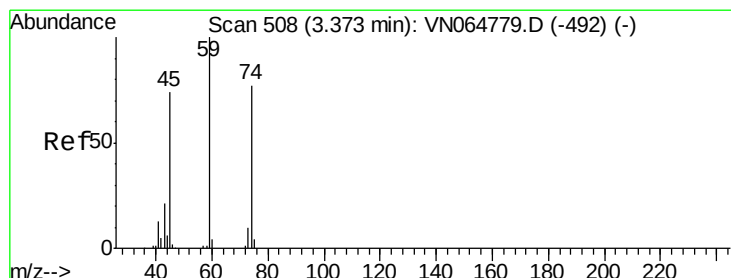
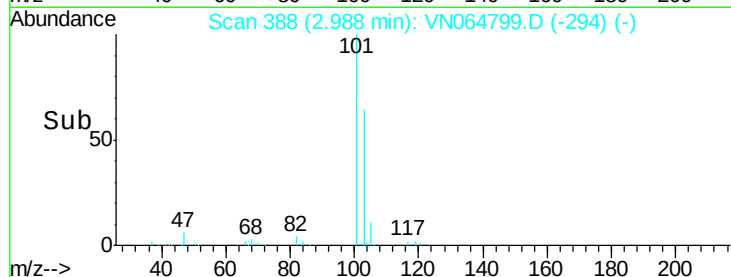
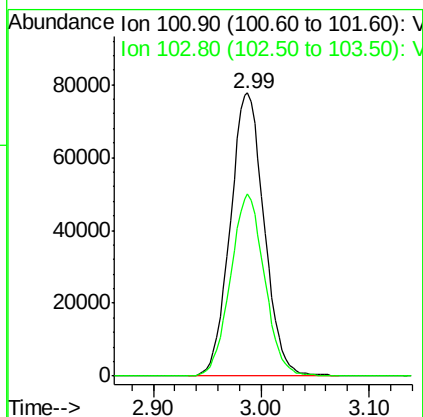
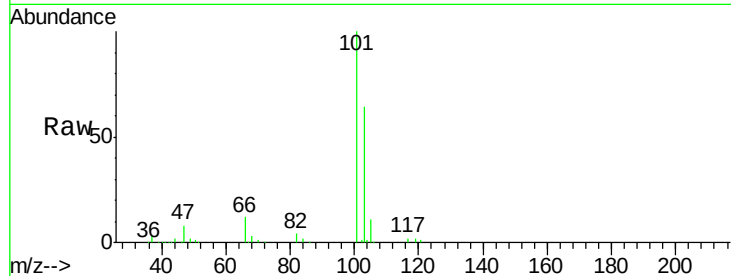
Trichlorofluoromethane
Concen: 51.422 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.5	75.7

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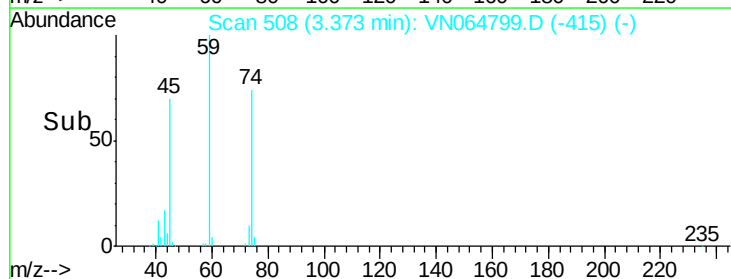
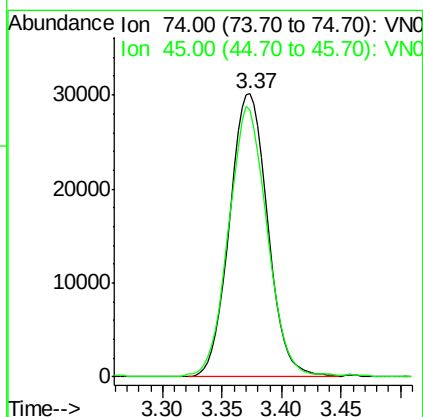
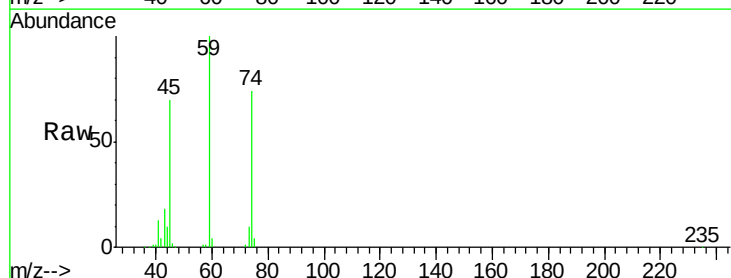
MMDadoda
11/25/2020 11:06:07 AM

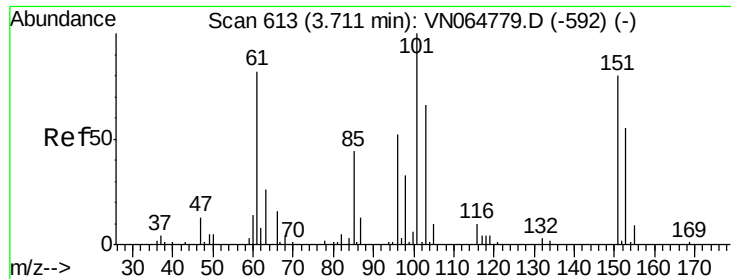


#8

Diethyl Ether
Concen: 51.329 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.0	48.9	146.8





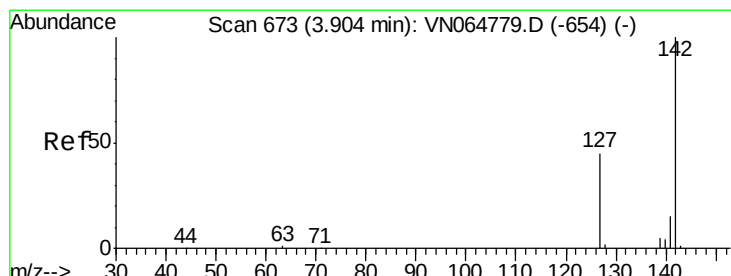
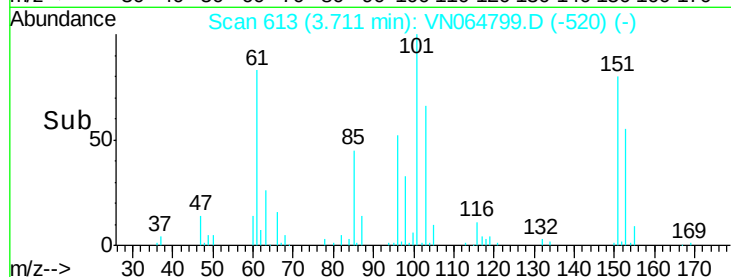
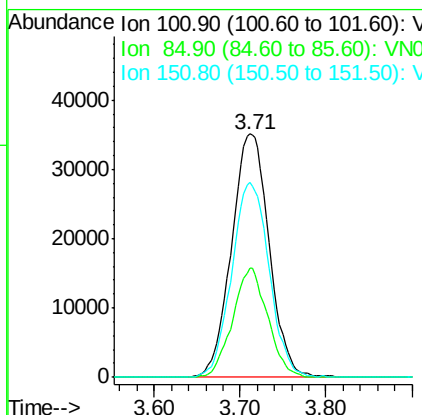
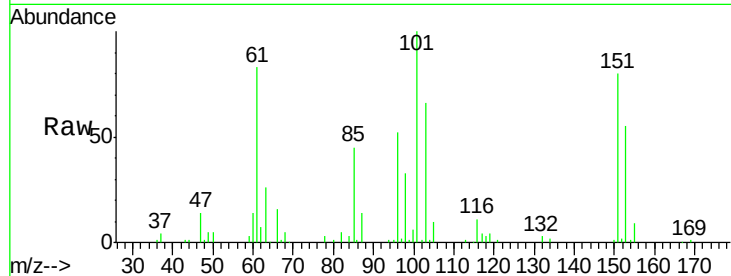
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 53.775 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106773		
85	41.8		34.4	51.6
151	79.5		64.0	96.0

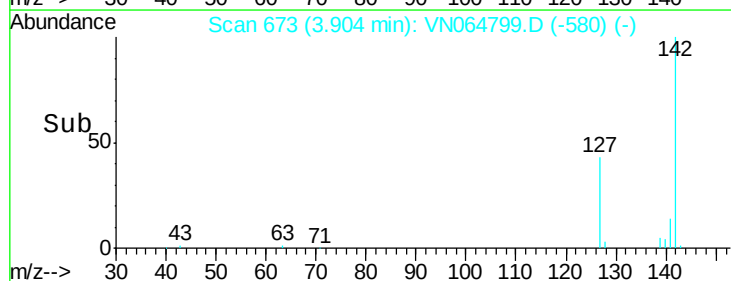
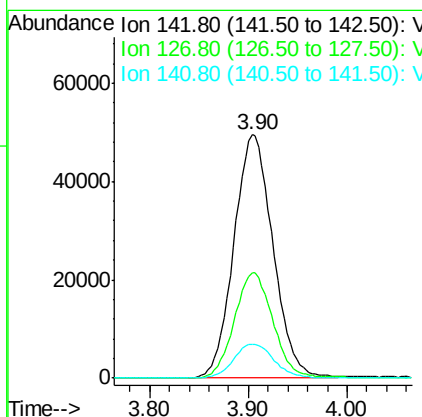
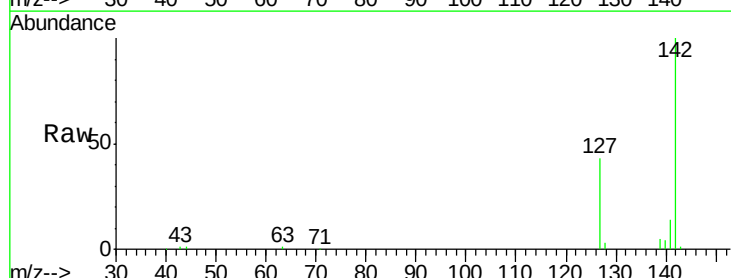
Manual Integrations
 APPROVED

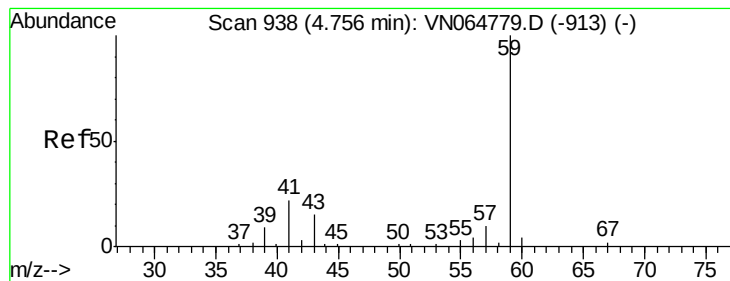
MMDadoda
 11/25/2020 11:06:07 AM



#10
 Methyl Iodide
 Concen: 52.909 ug/l
 RT: 3.90 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	136264		
127	42.7		35.0	52.6
141	14.3		11.8	17.6





#11

Tert butyl alcohol

Concen: 214.294 ug/l

RT: 4.74 min Scan# 933

Delta R.T. -0.02 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 59 Resp: 79229

Ion Ratio Lower Upper

59 100

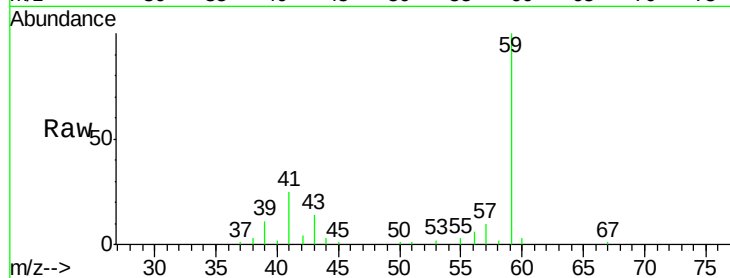
57 10.5 7.9 11.9

Manual Integrations

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MMDadoda

11/25/2020 11:06:07 AM



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

25000

20000

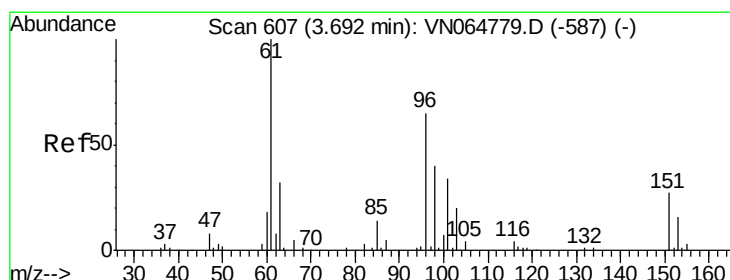
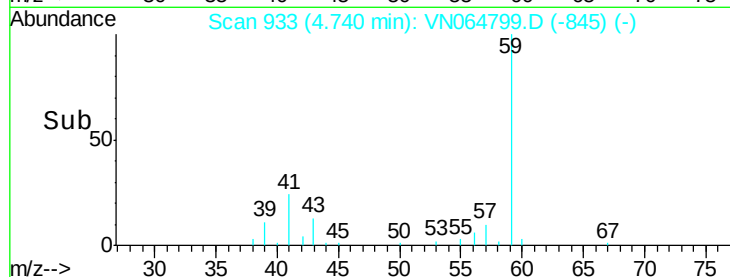
15000

10000

5000

0

Time-->



#12

1,1-Dichloroethene

Concen: 50.944 ug/l

RT: 3.69 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

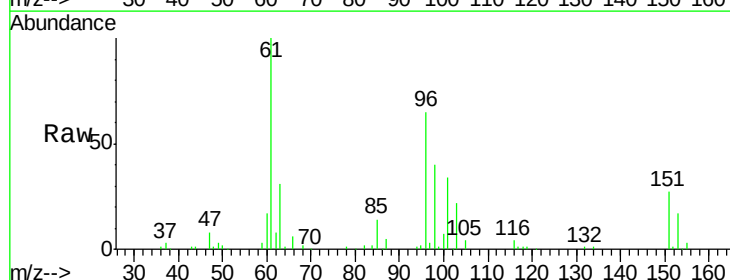
Tgt Ion: 96 Resp: 100738

Ion Ratio Lower Upper

96 100

61 154.1 123.4 185.2

98 61.7 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

80000

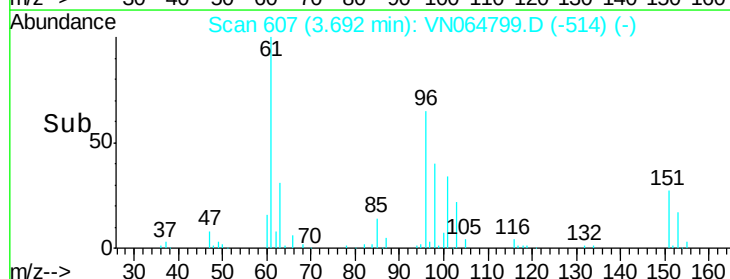
60000

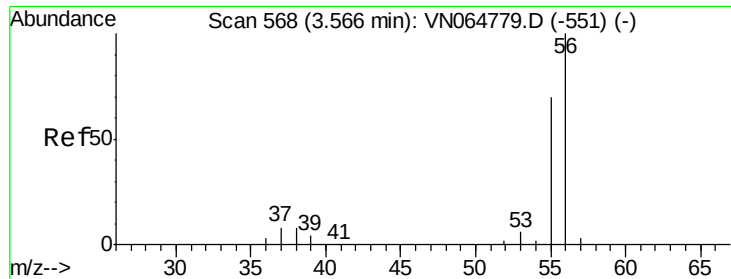
40000

20000

0

Time-->





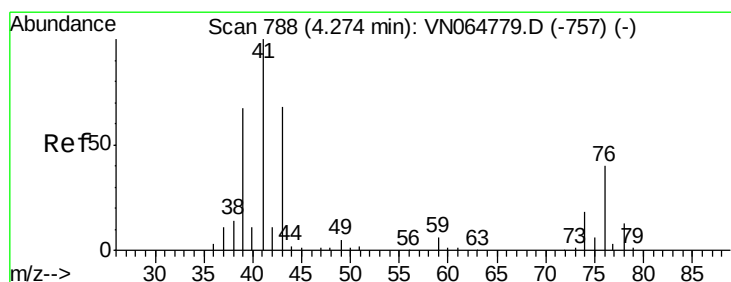
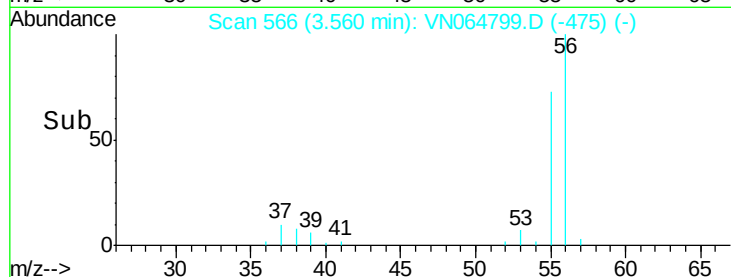
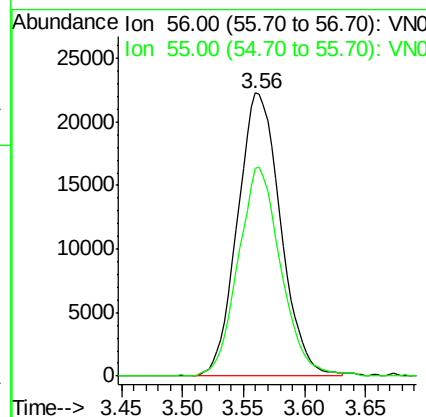
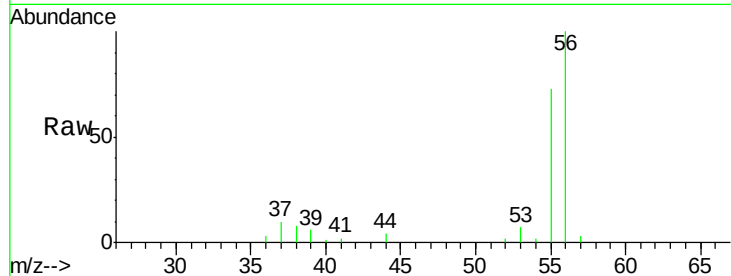
#13
Acrolein
Concen: 241.751 ug/l
RT: 3.56 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.2	56.5	84.7	

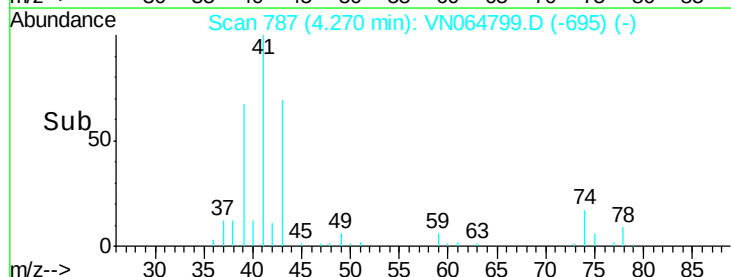
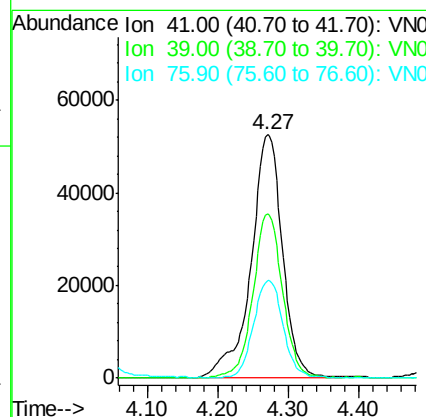
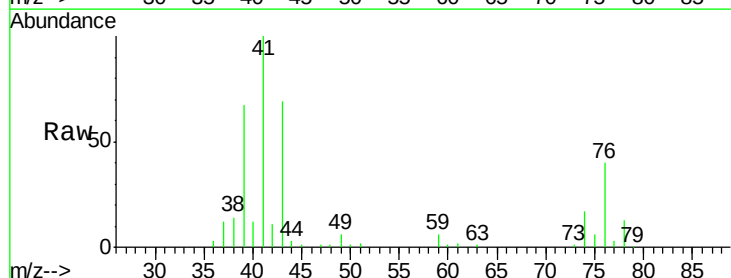
Manual Integrations
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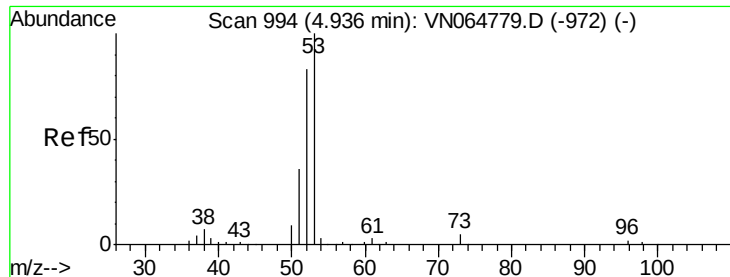
MMDadoda
11/25/2020 11:06:07 AM



#14
Allyl chloride
Concen: 50.204 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	63.2	50.9	76.3	
76	37.7	29.0	43.4	





#15

Acrylonitrile

Concen: 241.151 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.01 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

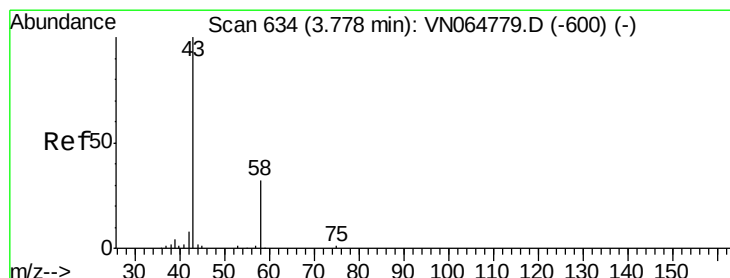
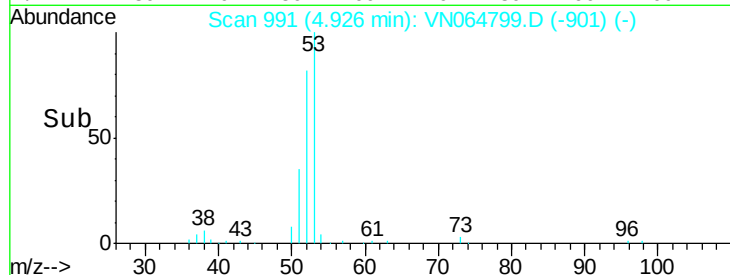
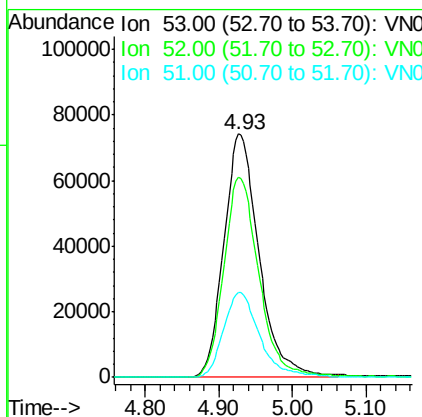
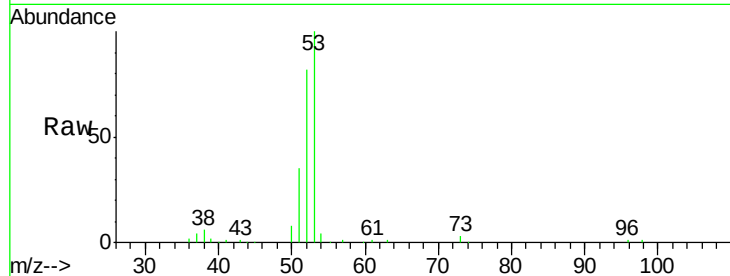
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	246303
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.5	98.3
51	35.3	28.6	43.0

Manual Integrations
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MMDadoda
11/25/2020 11:06:07 AM



#16

Acetone

Concen: 205.737 ug/l

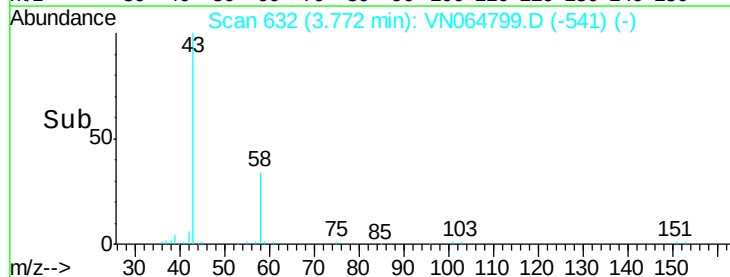
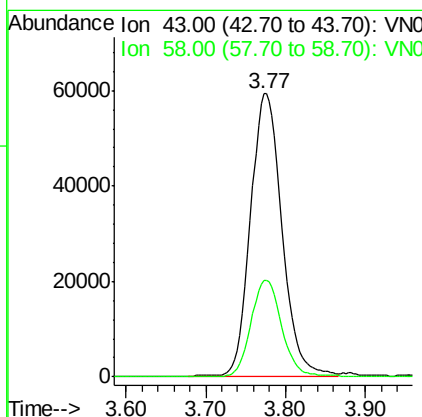
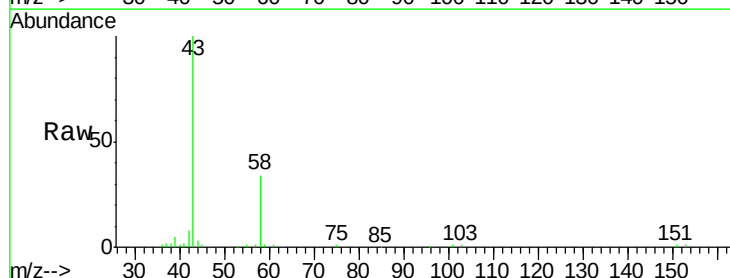
RT: 3.77 min Scan# 632

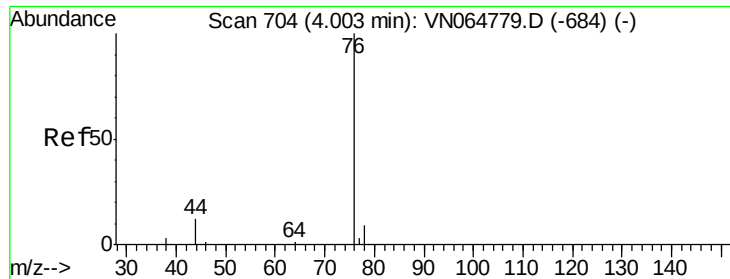
Delta R.T. -0.01 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion:	43	Resp:	160336
Ion Ratio	Lower	Upper	
43	100		
58	34.0	25.7	38.5





#17

Carbon Disulfide

Concen: 51.835 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 264657

Ion Ratio Lower Upper

76 100

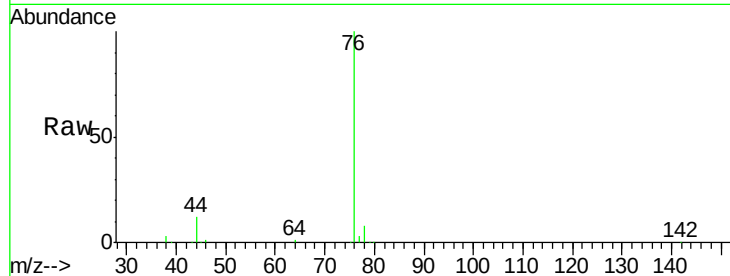
78 8.3 7.4 11.0

Manual Integrations

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MMDadoda

11/25/2020 11:06:07 AM



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-684) (-)

4.00

100000

80000

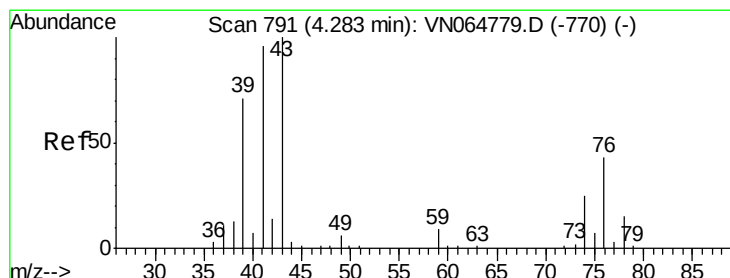
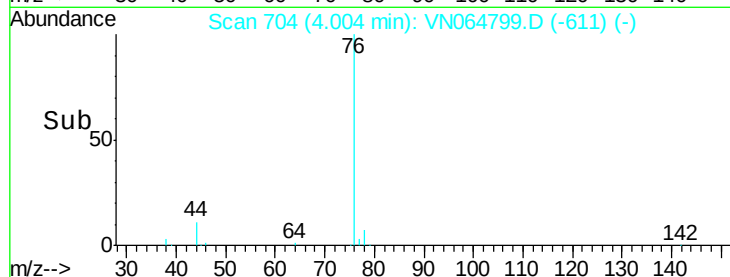
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 46.347 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN064799.D

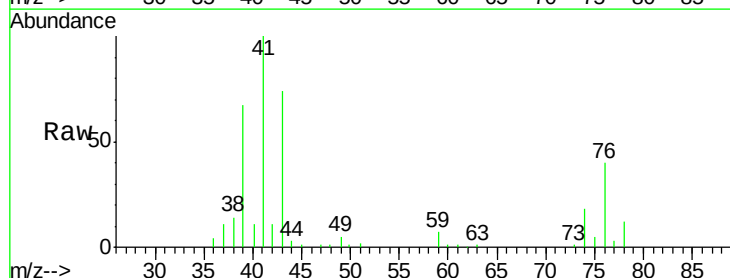
Acq: 24 Nov 2020 9:55

Tgt Ion: 43 Resp: 108596

Ion Ratio Lower Upper

43 100

74 25.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN064779.D (-770) (-)

4.28

40000

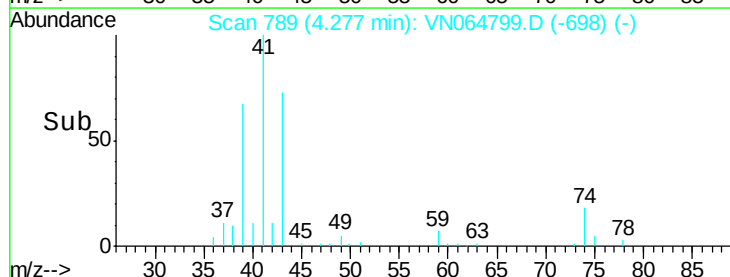
30000

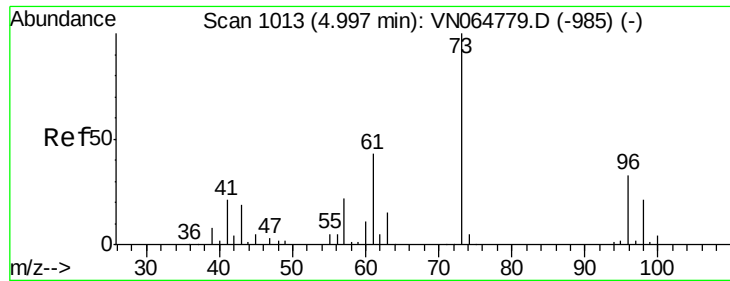
20000

10000

0

Time-->





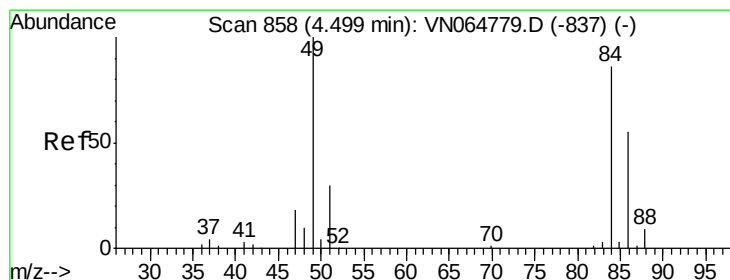
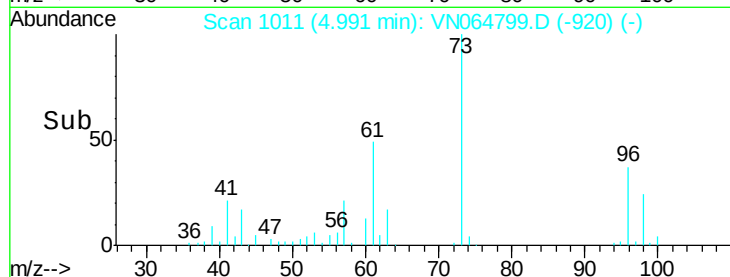
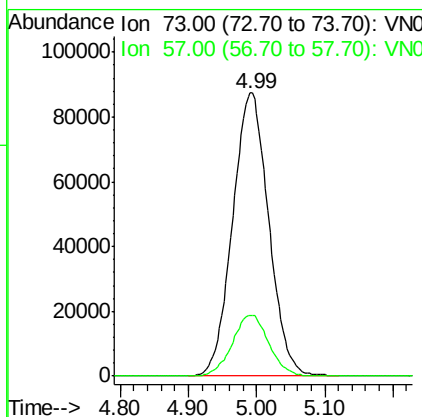
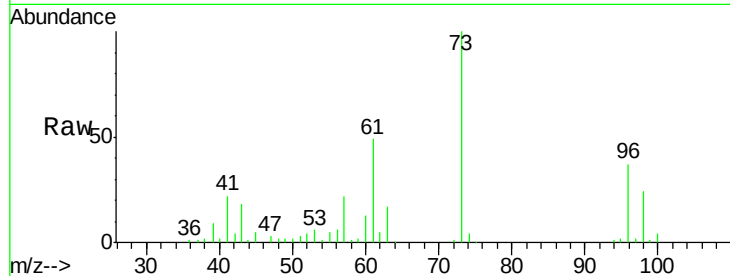
#19
Methyl tert-butyl Ether
Concen: 50.714 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 321633
Ion Ratio Lower Upper
73 100
57 21.6 17.4 26.0

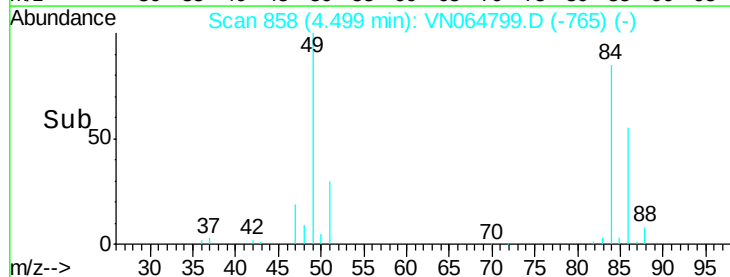
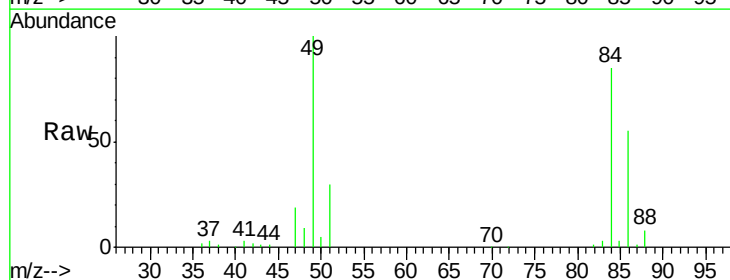
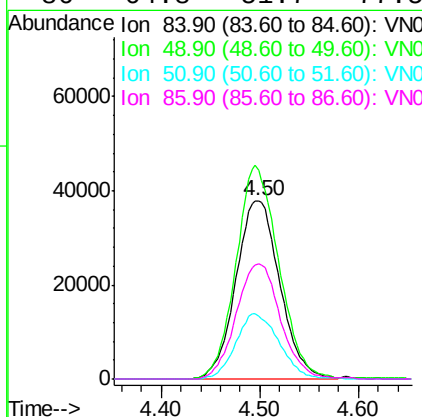
Manual Integrations
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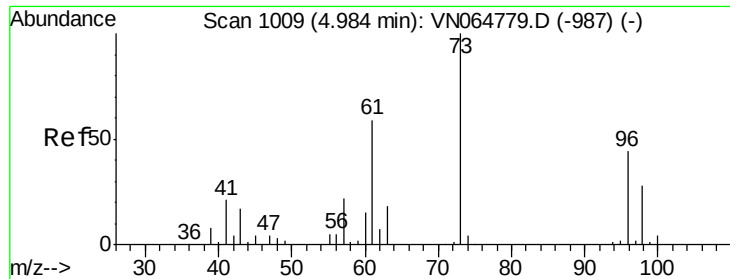
MMDadoda
11/25/2020 11:06:07 AM



#20
Methylene Chloride
Concen: 47.815 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion: 84 Resp: 116767
Ion Ratio Lower Upper
84 100
49 117.2 93.4 140.0
51 35.4 28.2 42.4
86 64.8 51.7 77.5





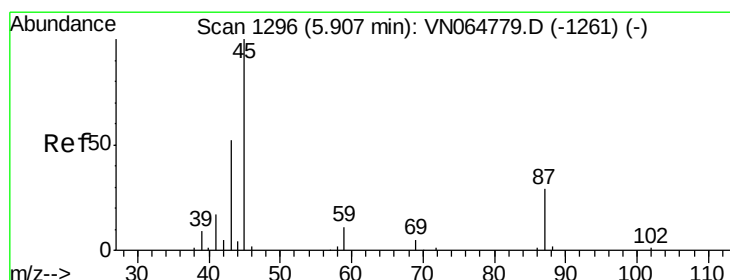
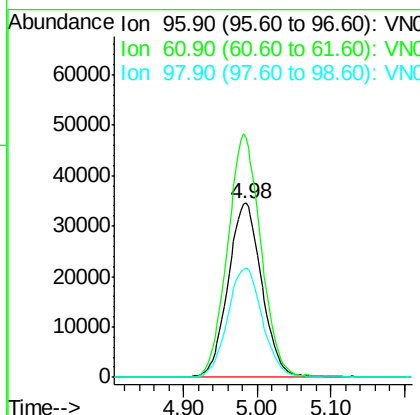
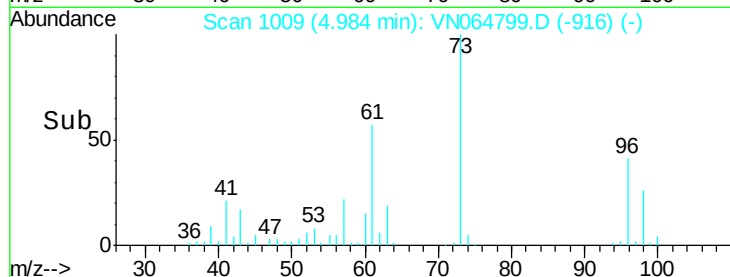
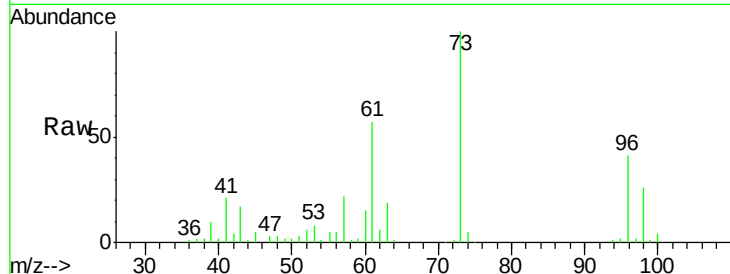
#21
trans-1,2-Dichloroethene
Concen: 50.064 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	138.0	108.4	162.6		
98	62.4	51.3	76.9		

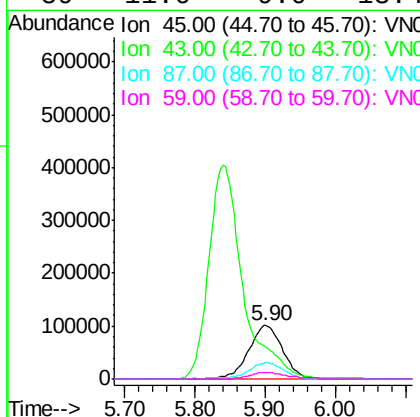
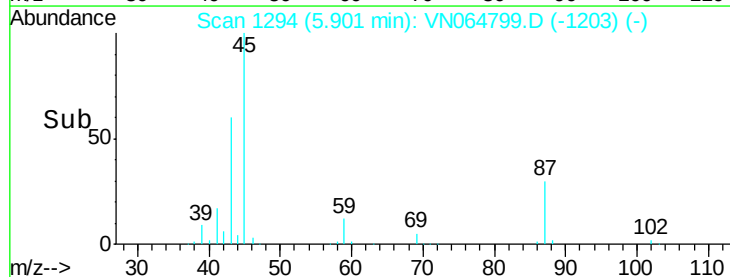
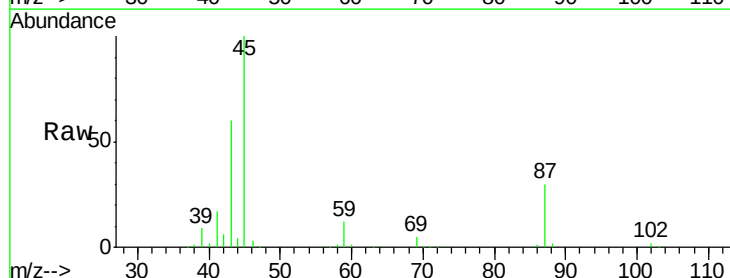
Manual Integrations
APPROVED

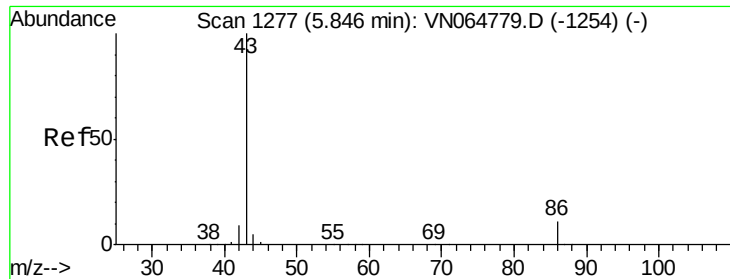
MMDadoda
11/25/2020 11:06:07 AM



#22
Diisopropyl ether
Concen: 52.303 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
43	58.3	46.2	69.2		
87	29.7	24.1	36.1		
59	11.6	9.0	13.4		





#23

Vinyl Acetate

Concen: 261.272 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1363930

Ion Ratio Lower Upper

43 100

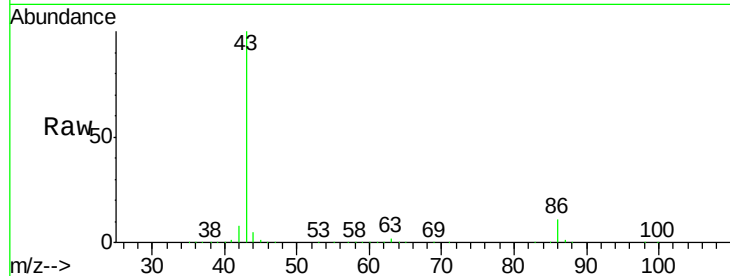
86 11.1 8.9 13.3

Manual Integrations

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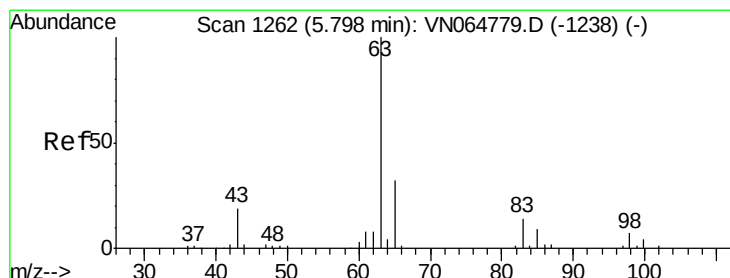
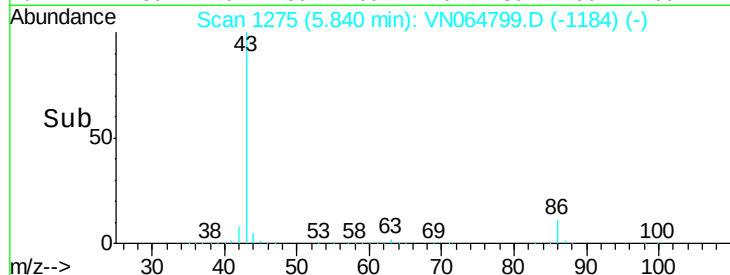
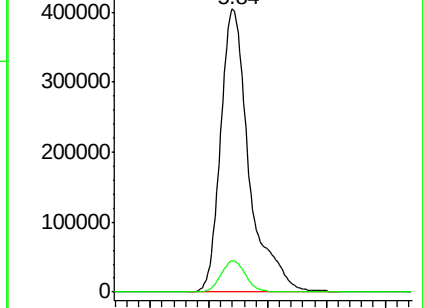
MMDadoda

11/25/2020 11:06:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.187 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

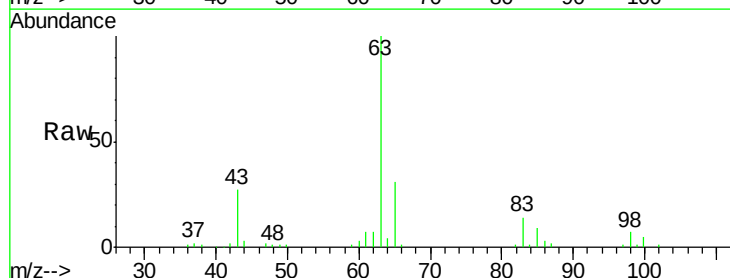
Tgt Ion: 63 Resp: 203601

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

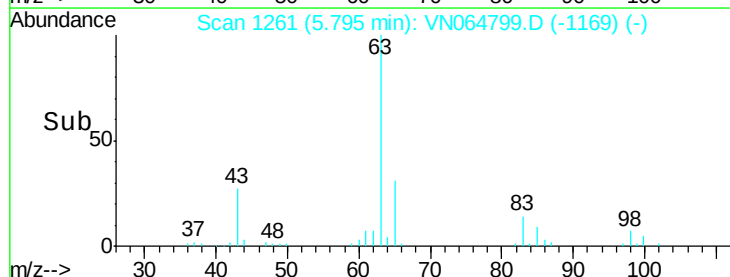
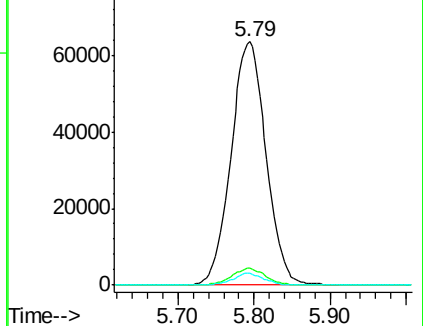
100 4.8 2.3 6.8

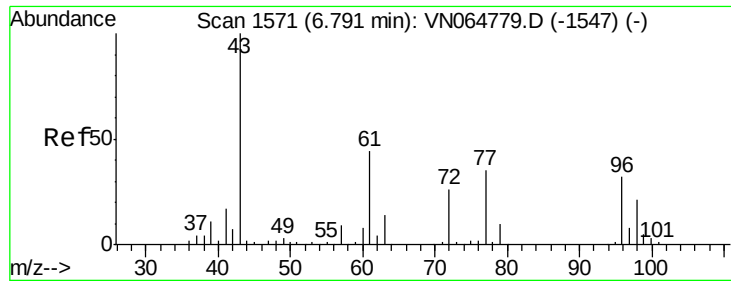


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





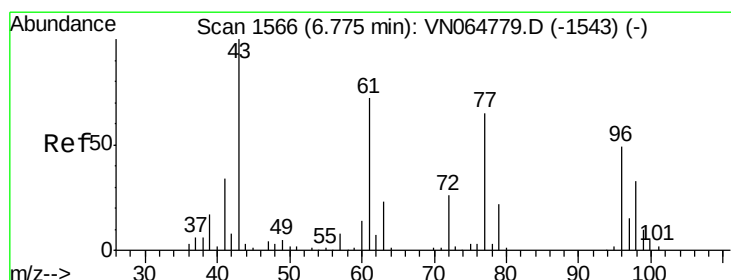
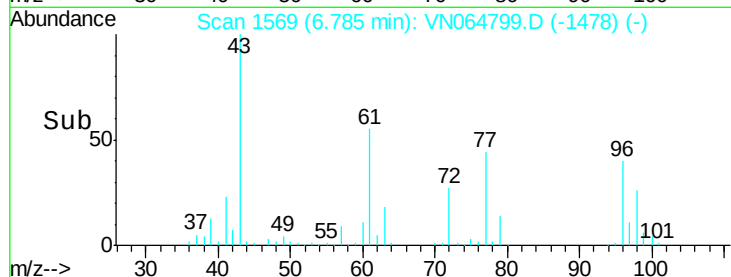
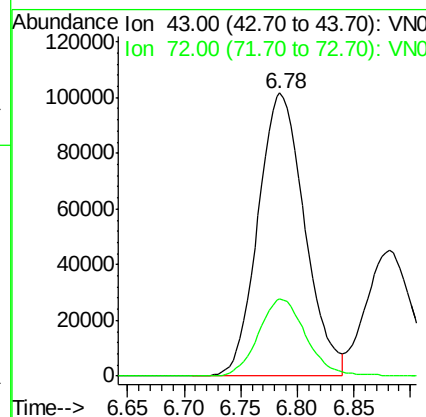
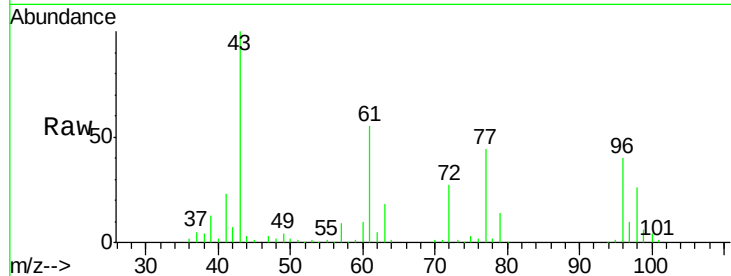
#25
2-Butanone
Concen: 228.950 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 289238
Ion Ratio Lower Upper
43 100
72 27.4 21.0 31.6

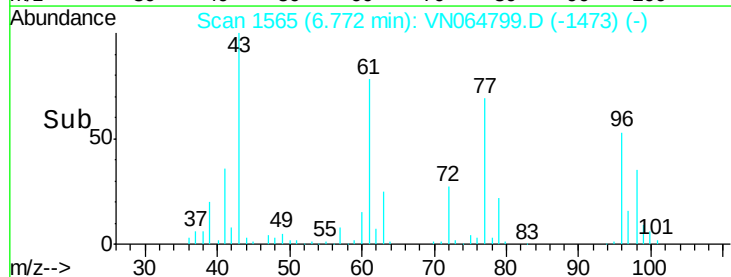
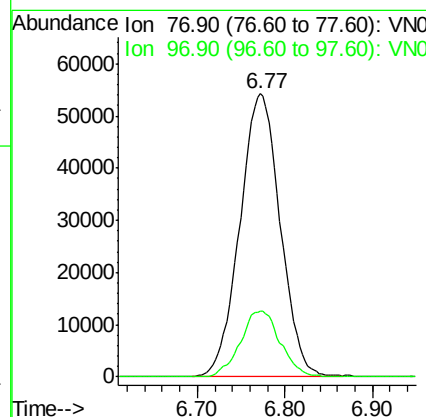
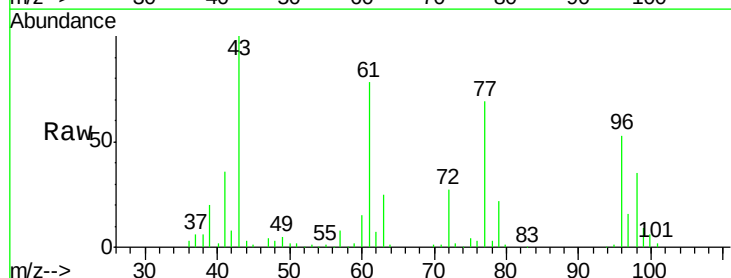
Manual Integrations
APPROVED

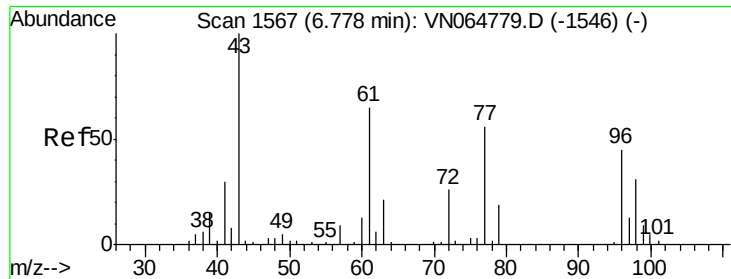
MMDadoda
11/25/2020 11:06:07 AM



#26
2,2-Dichloropropane
Concen: 51.306 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion: 77 Resp: 173603
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 51.307 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN064799.D

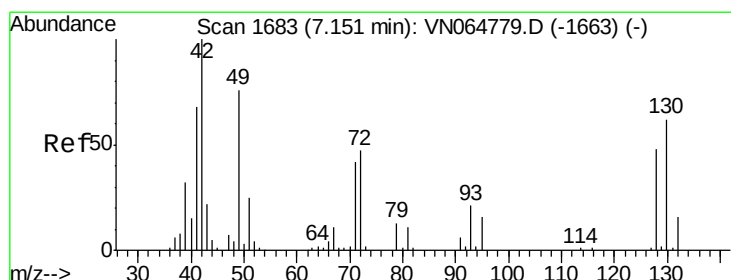
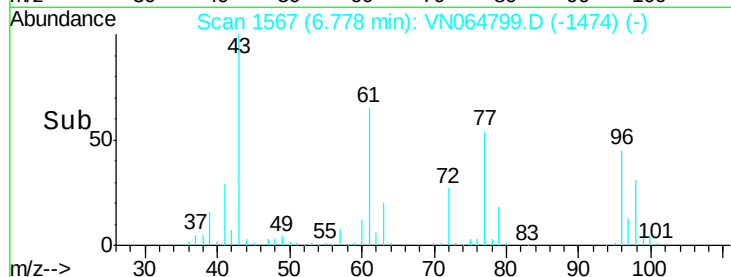
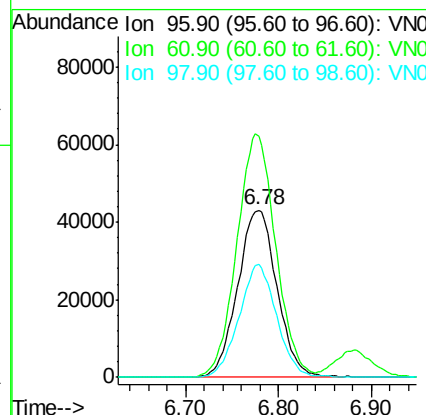
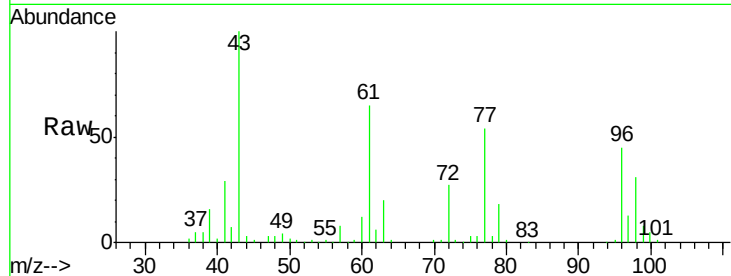
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	126779		
61	143.5	0.0	285.8	
98	64.2	0.0	130.6	

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#28

Bromochloromethane

Concen: 47.574 ug/l

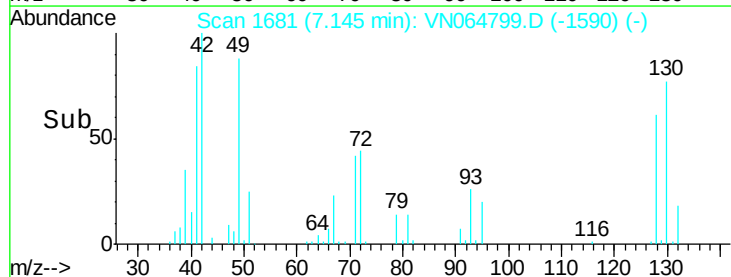
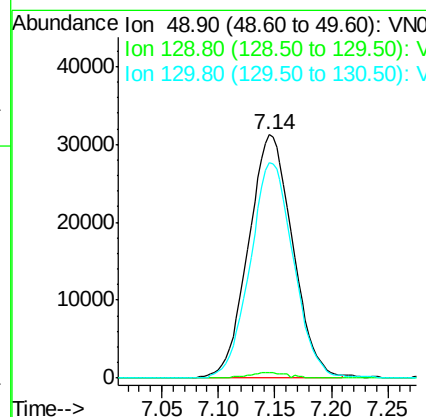
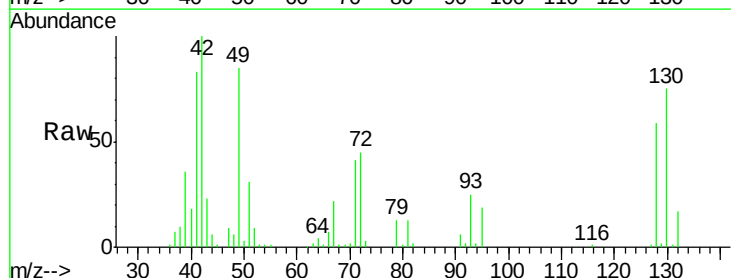
RT: 7.14 min Scan# 1681

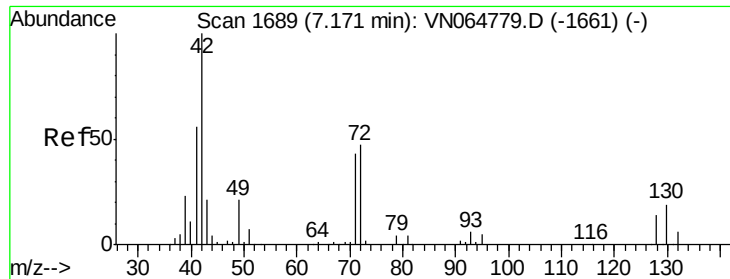
Delta R.T. -0.01 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	84910		
129	1.8	0.0	3.8	
130	87.0	66.2	99.2	





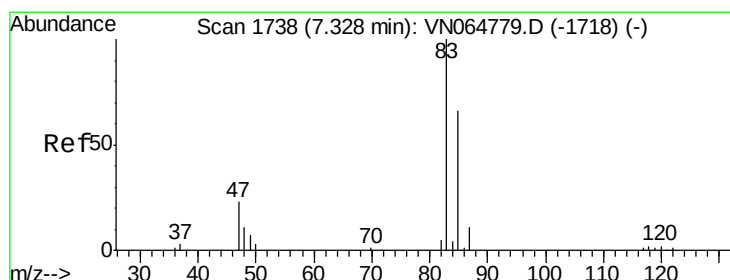
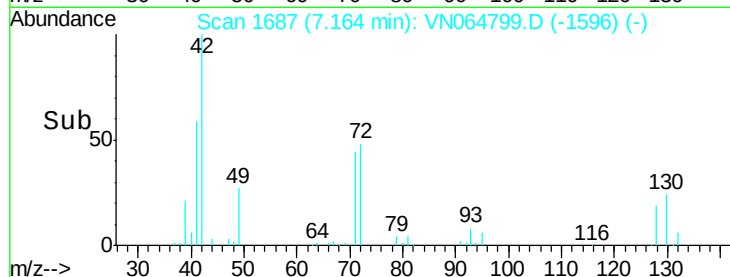
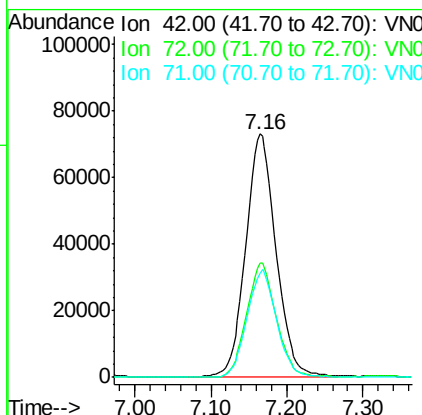
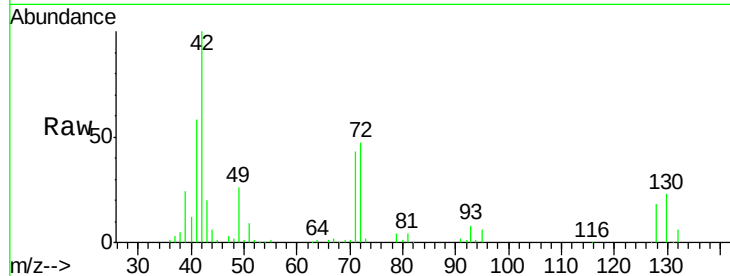
#29
Tetrahydrofuran
Concen: 233.927 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	36.6	54.8
71	43.0	33.6	50.4

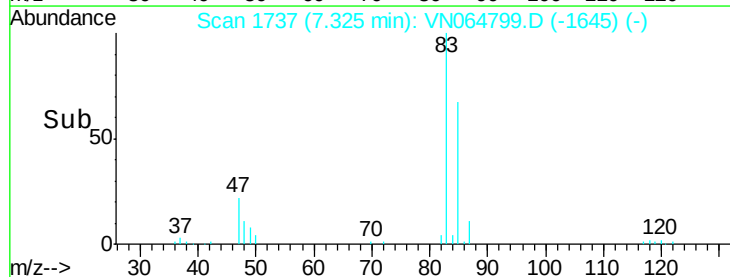
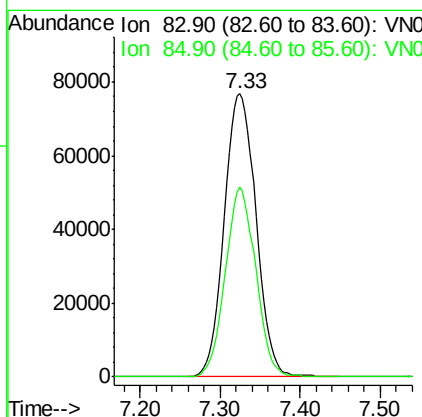
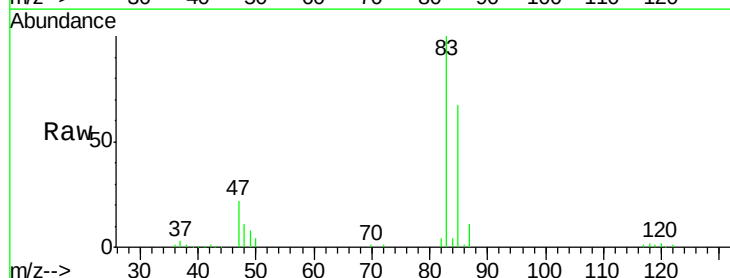
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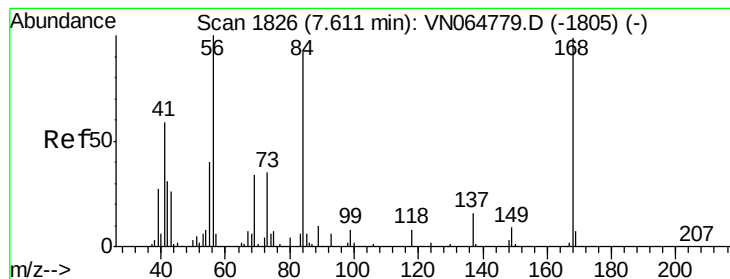
MMDadoda
11/25/2020 11:06:07 AM



#30
Chloroform
Concen: 51.714 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.6	78.8





#31

Cyclohexane

Concen: 51.754 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 171008

Ion Ratio Lower Upper

56 100

69 33.8 27.5 41.3

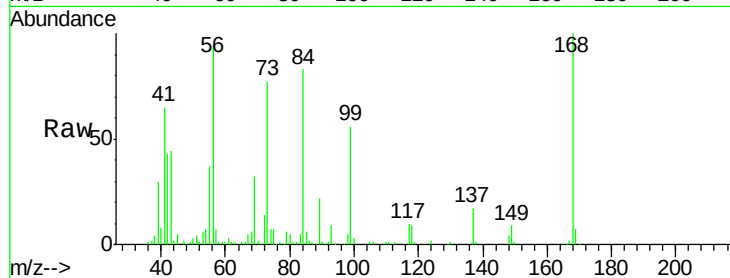
84 86.9 73.9 110.9

Manual Integrations

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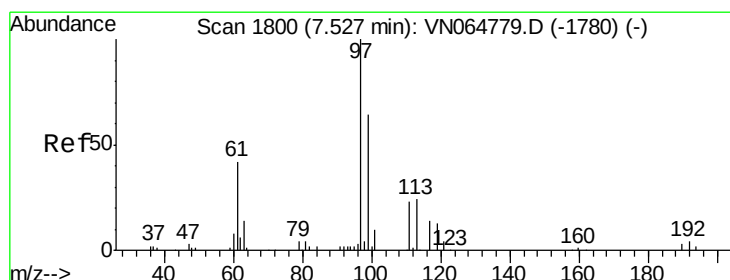
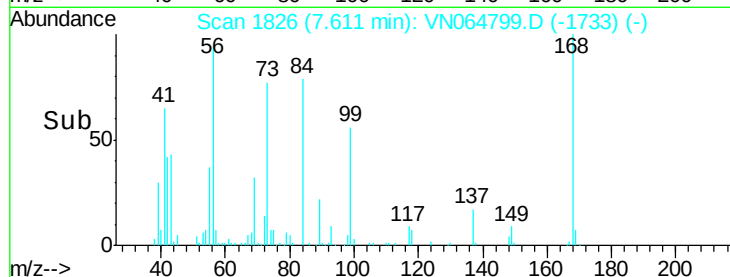
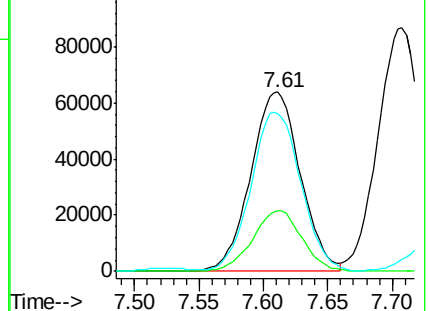
11/25/2020 11:06:07 AM



Abundance Ion 56.00 (55.70 to 56.70): VN064779.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN064779.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN064779.D (-1805) (-)



#32

1,1,1-Trichloroethane

Concen: 51.723 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

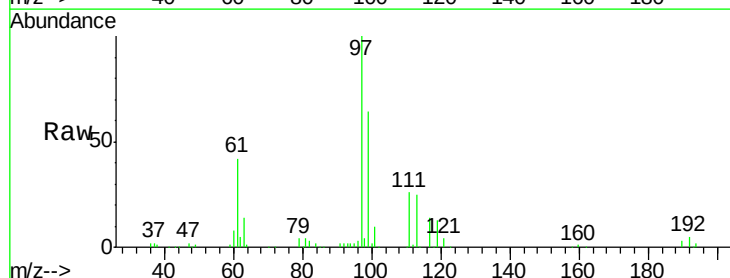
Tgt Ion: 97 Resp: 178729

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

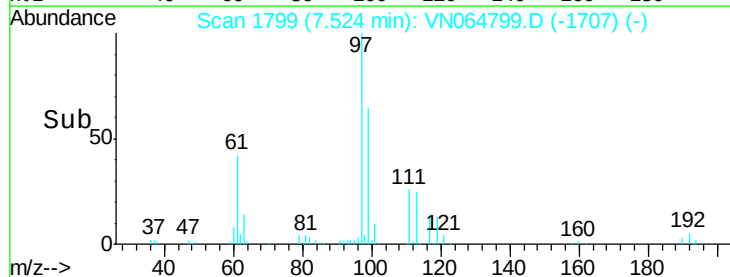
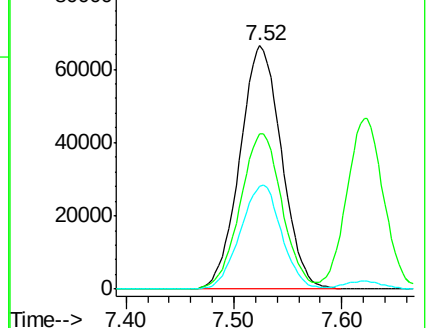
61 42.3 33.9 50.9

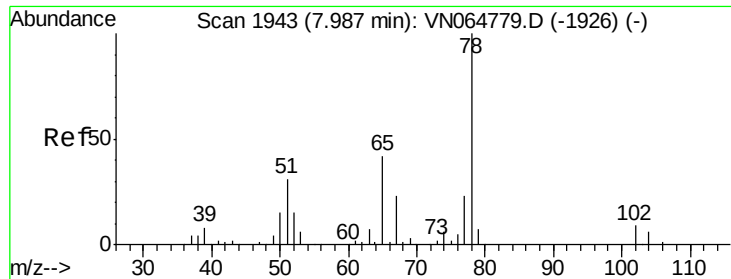


Abundance Ion 96.90 (96.60 to 97.60): VN064779.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN064779.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1780) (-)





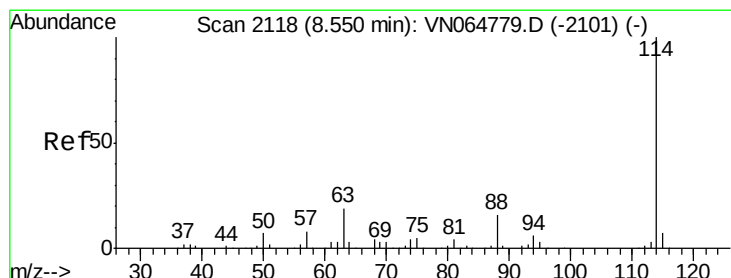
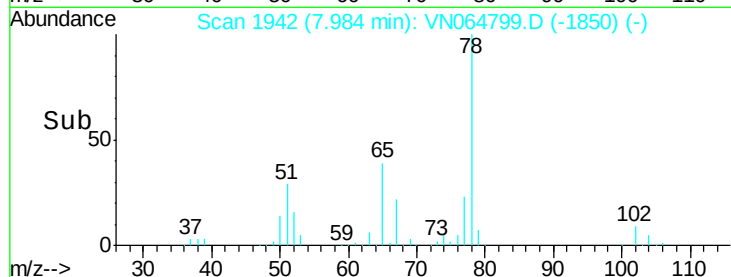
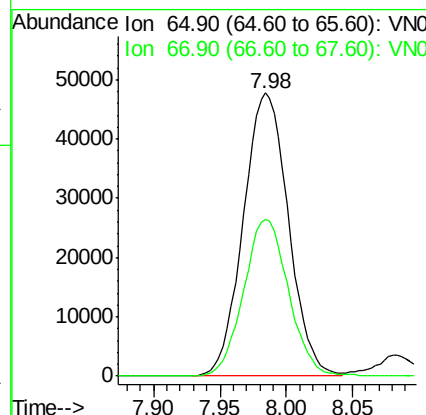
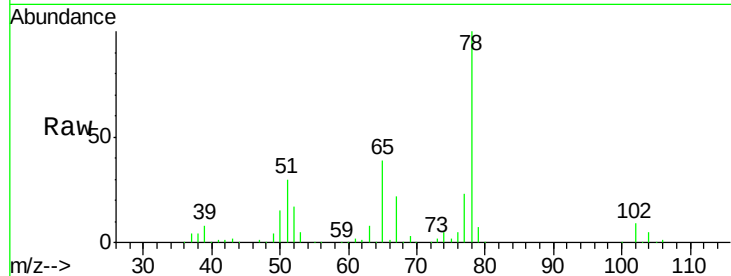
#33
 1,2-Dichloroethane-d4
 Concen: 47.568 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112770		
67	55.1	0.0	108.2	

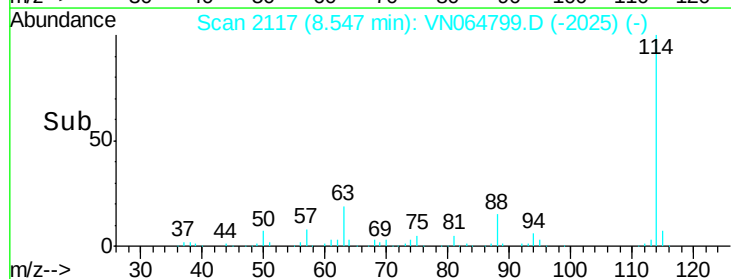
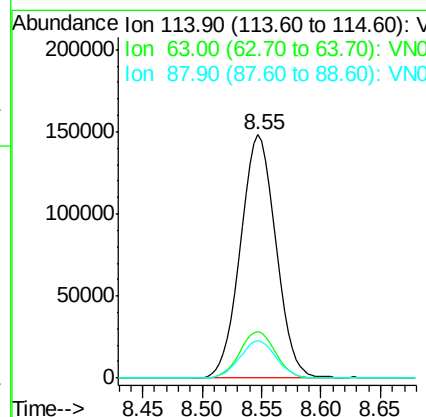
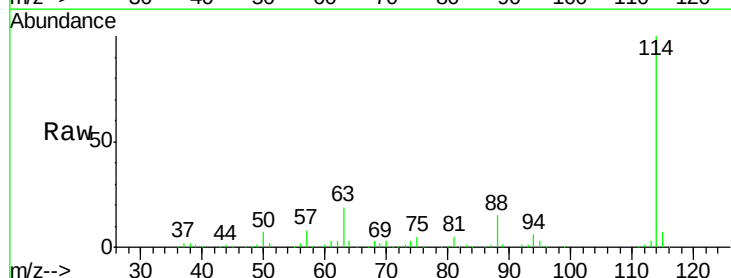
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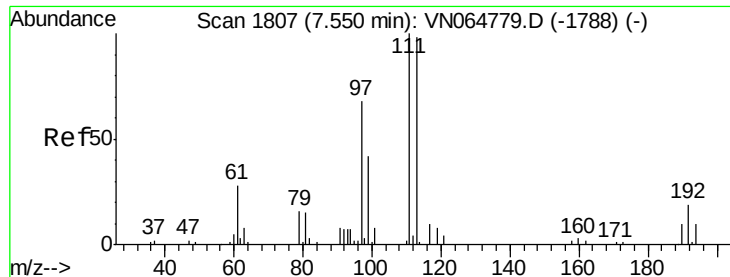
MMDadoda
 11/25/2020 11:06:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	306133		
63	19.0	0.0	38.6	
88	15.5	0.0	32.6	





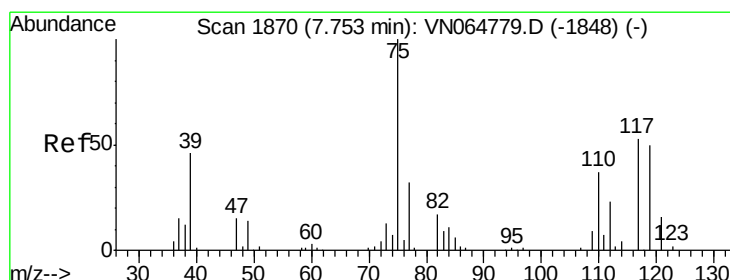
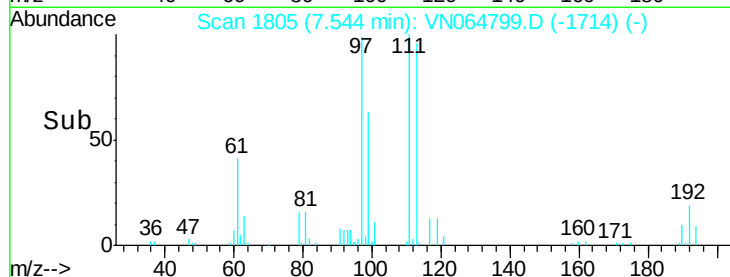
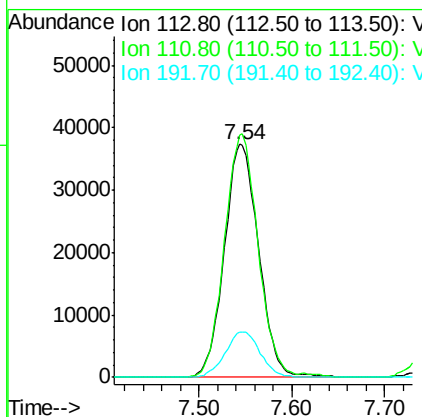
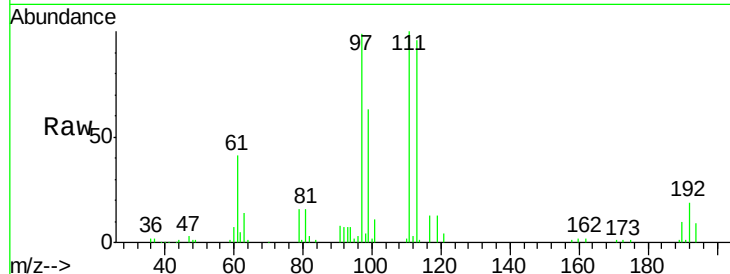
#35
Dibromofluoromethane
Concen: 52.327 ug/l
RT: 7.54 min Scan# 1805
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	95853		
111	102.0		81.6	122.4
192	19.7		16.2	24.2

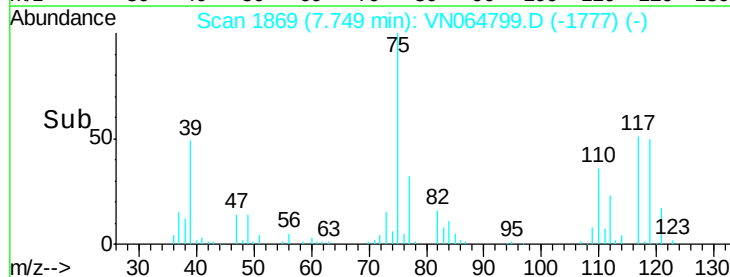
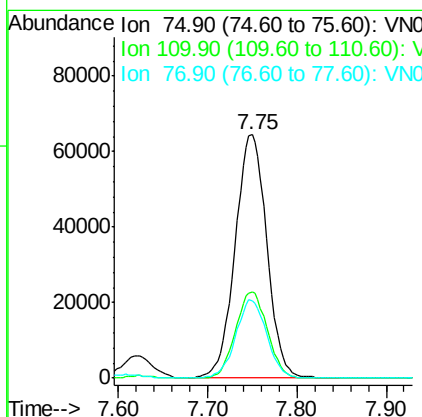
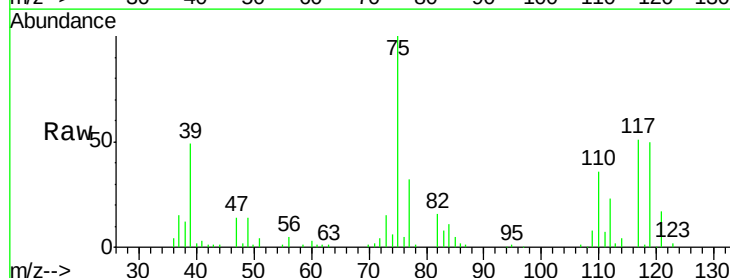
Manual Integrations
APPROVED

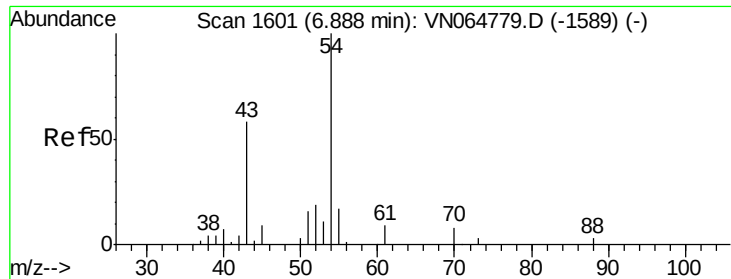
MMDadoda
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#36
1,1-Dichloropropene
Concen: 56.012 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158937		
110	35.5		17.8	53.3
77	31.4		25.0	37.4





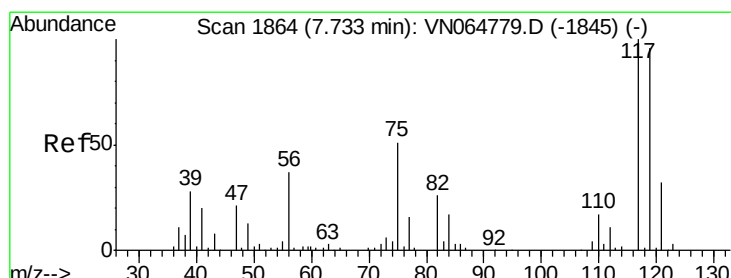
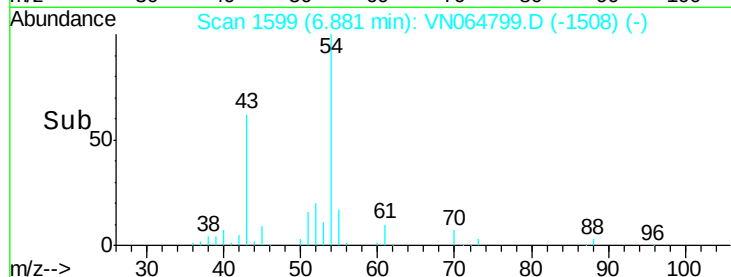
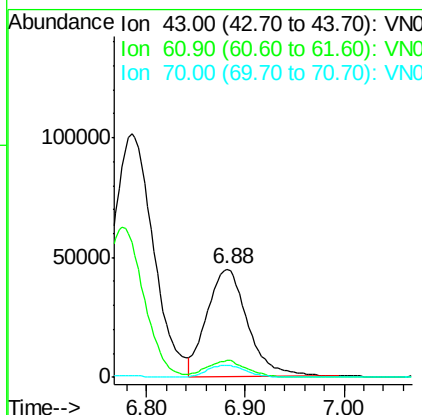
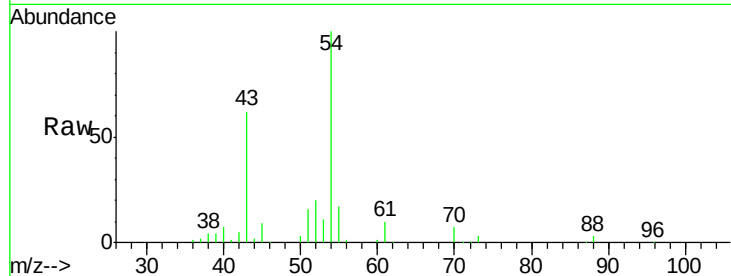
#37
Ethyl Acetate
Concen: 47.009 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.8	19.2
70	10.8	8.8	13.2

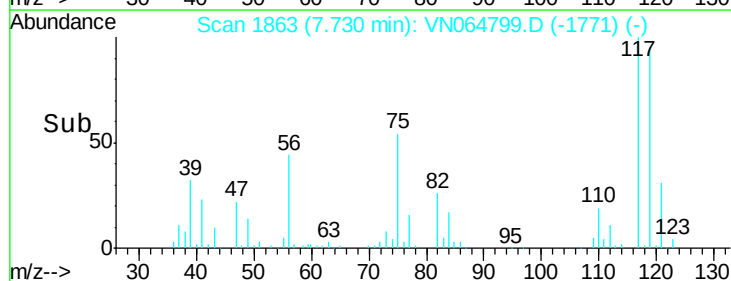
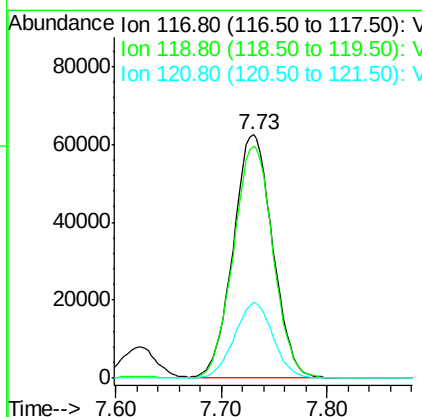
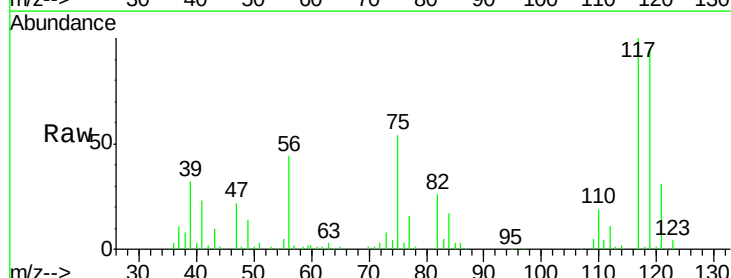
Manual Integrations
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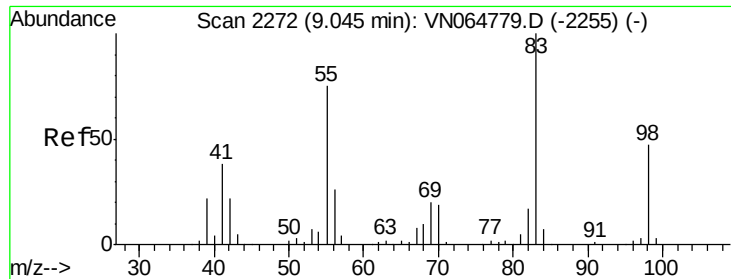
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.691 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	31.1	25.4	38.2





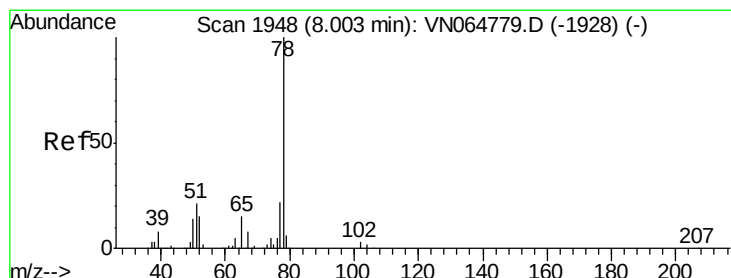
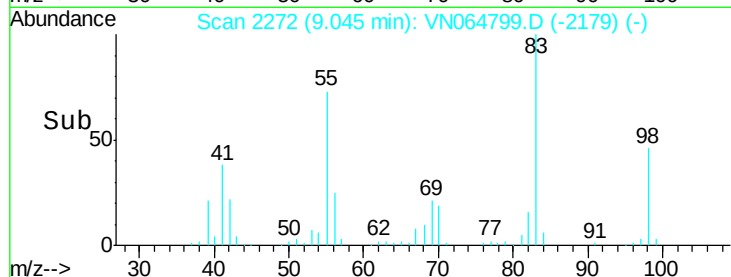
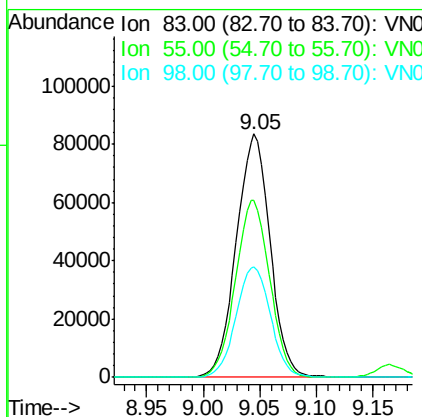
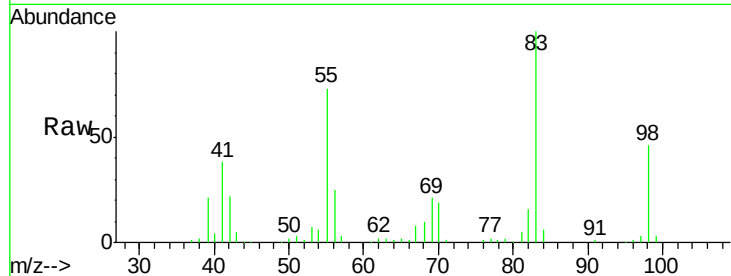
#39
Methylvlcyclohexane
Concen: 57.011 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.2	90.2
98	45.5	37.4	56.2

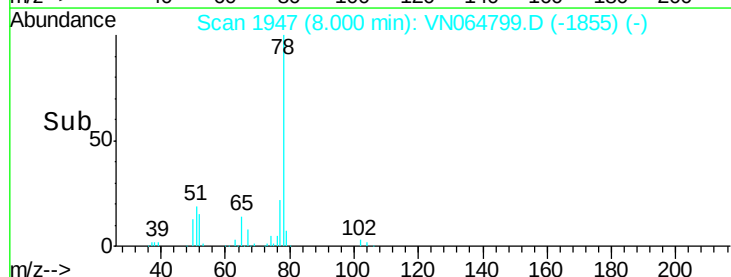
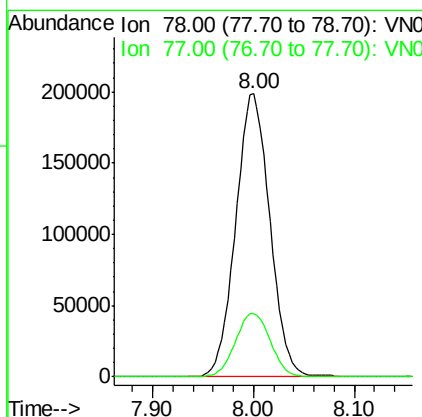
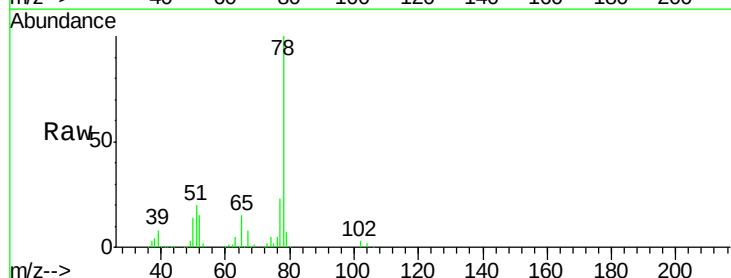
Manual Integrations
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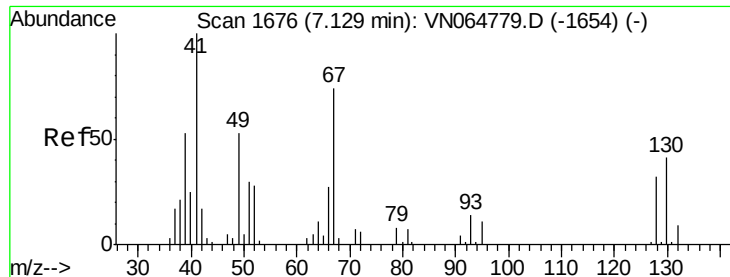
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#40
Benzene
Concen: 53.583 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	17.9	26.9





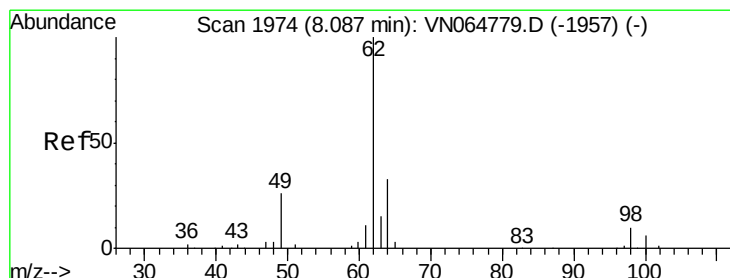
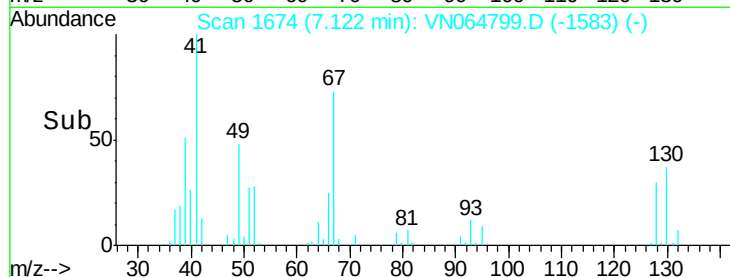
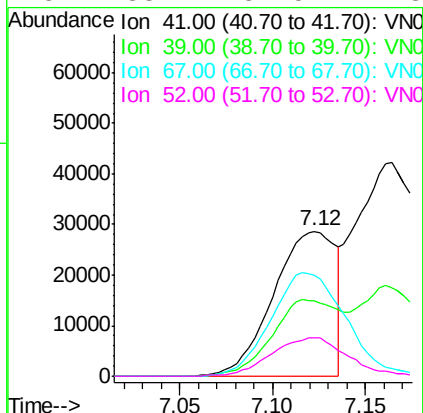
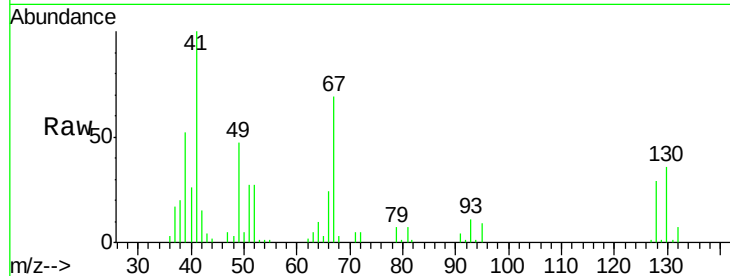
#41
Methacrylonitrile
Concen: 52.970 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	66807
Ion	Ratio	Lower	Upper
41	100		
39	56.4	51.0	76.6
67	86.5	79.8	119.8
52	33.1	31.5	47.3

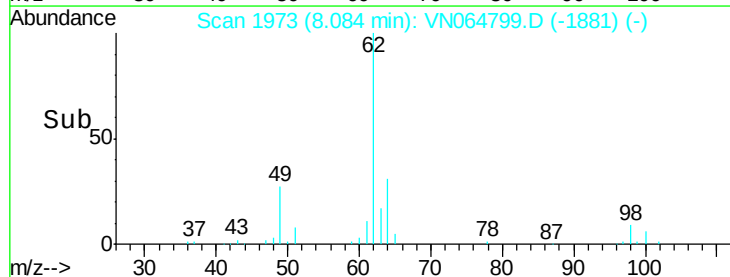
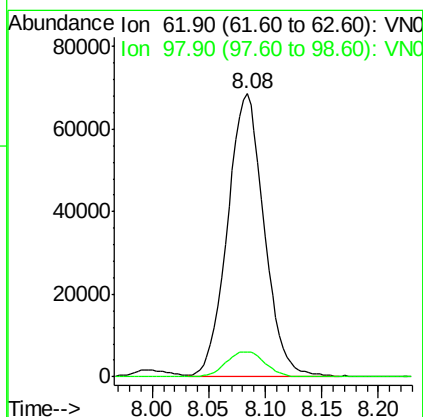
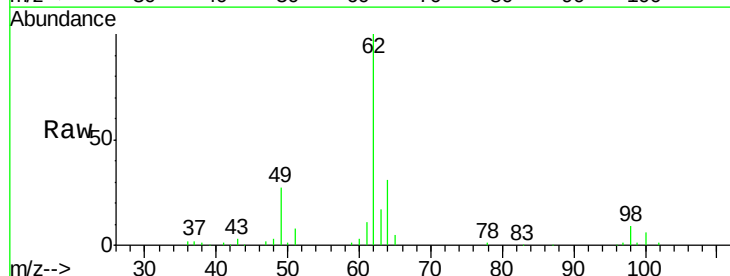
Manual Integrations
APPROVED

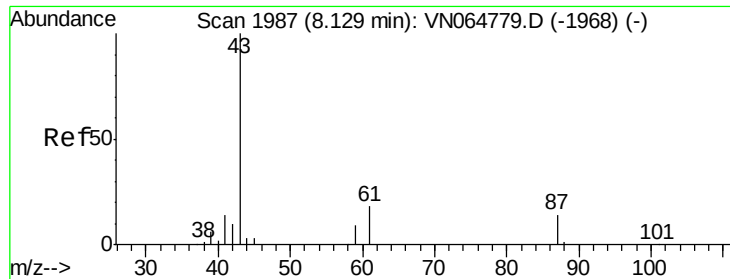
MMDadoda
11/25/2020 11:06:07 AM



#42
1,2-Dichloroethane
Concen: 52.264 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	62	Resp	153304
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	19.6





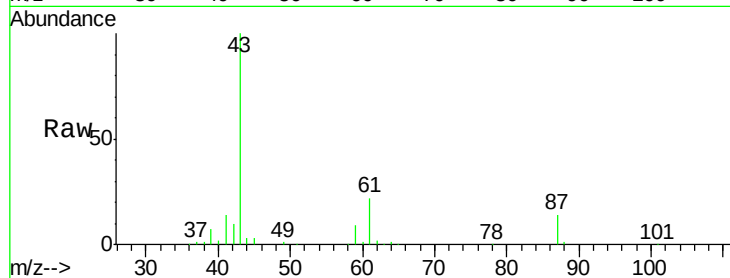
#43
Isopropyl Acetate
Concen: 48.742 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

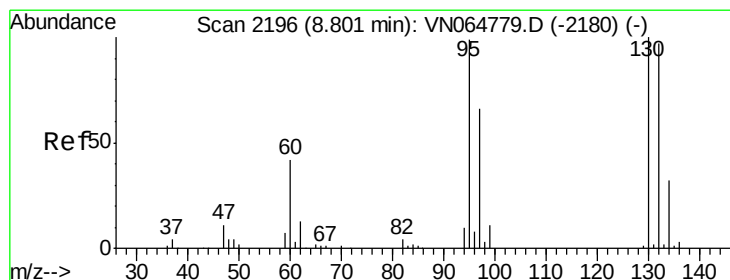
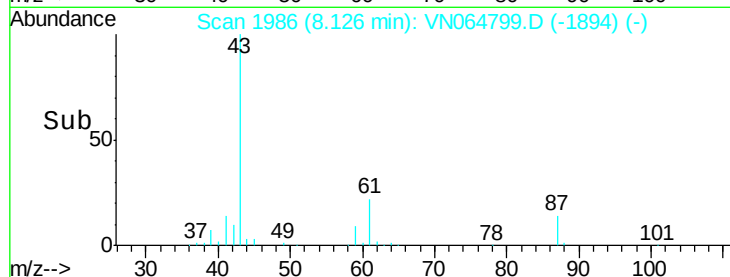
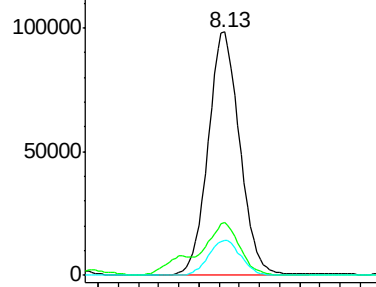
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	17.2	25.8
87	14.6	11.4	17.0

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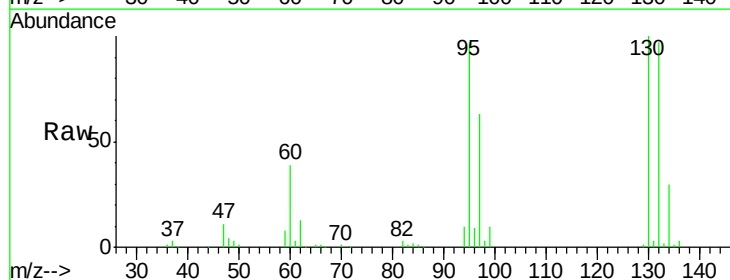


Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

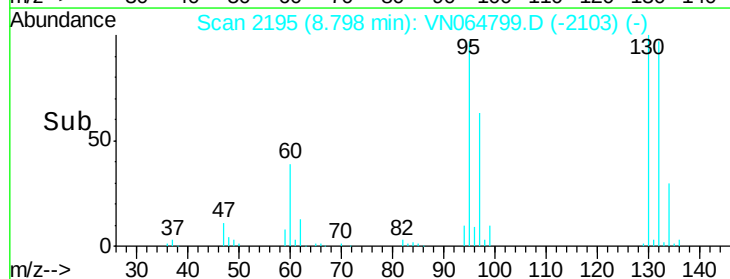
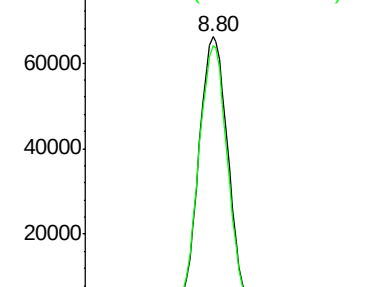


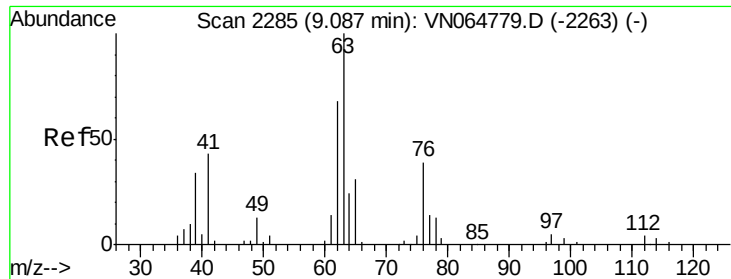
#44
Trichloroethene
Concen: 53.380 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)





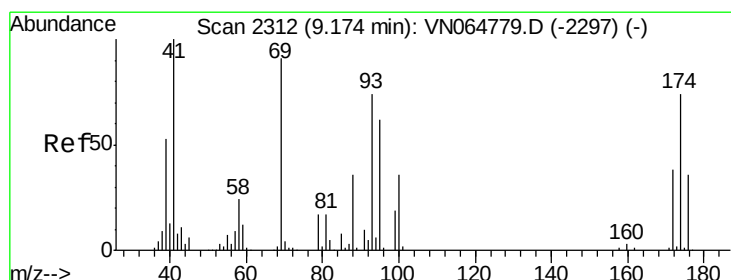
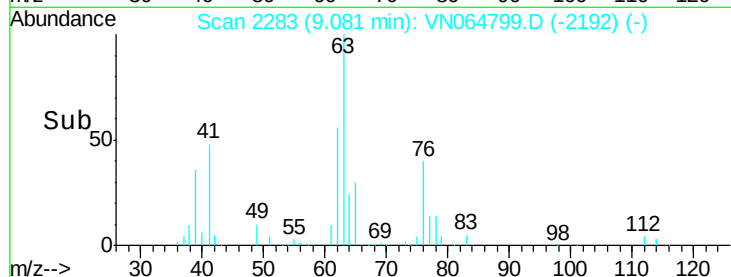
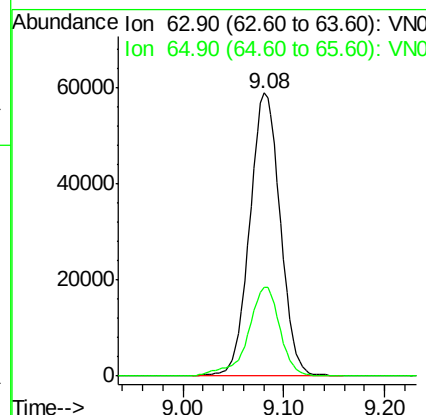
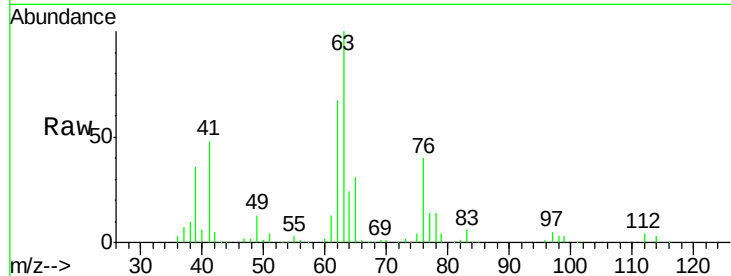
#45
 1,2-Dichloropropane
 Concen: 54.635 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.01 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.4

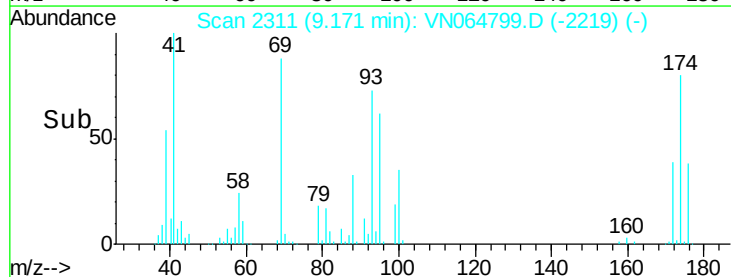
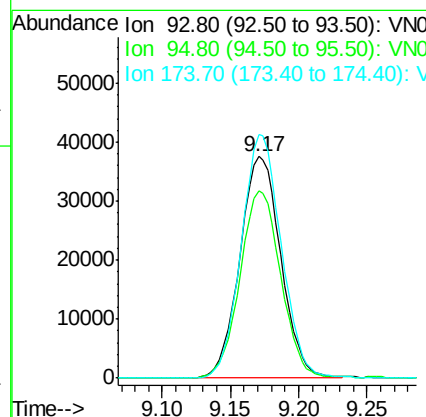
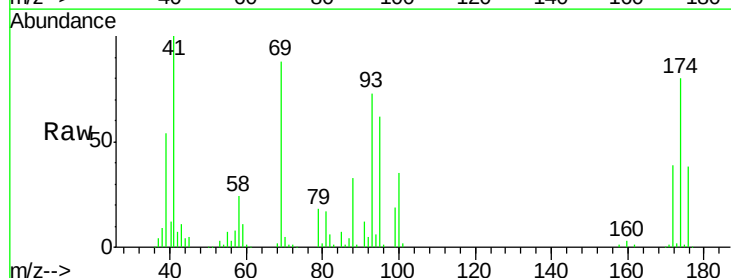
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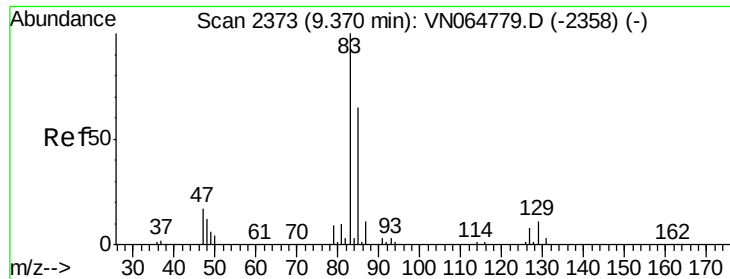
MMDadoda
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#46
 Dibromomethane
 Concen: 52.140 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	68.8	103.2
174	107.0	83.1	124.7





#47

Bromodichloromethane

Concen: 54.335 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

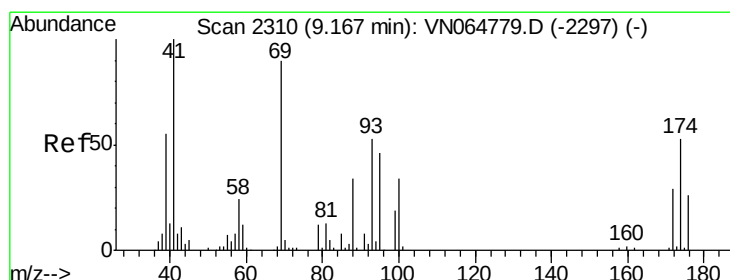
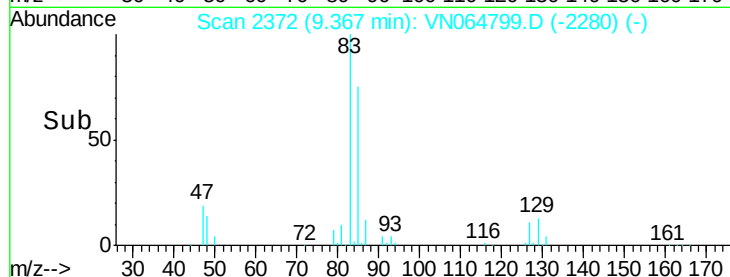
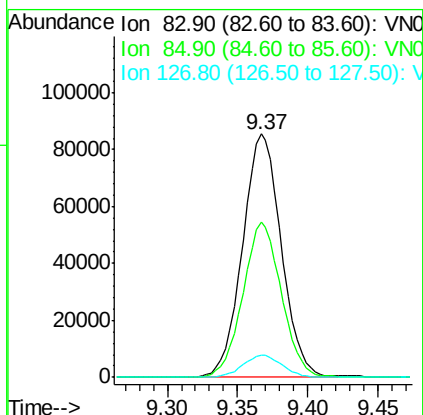
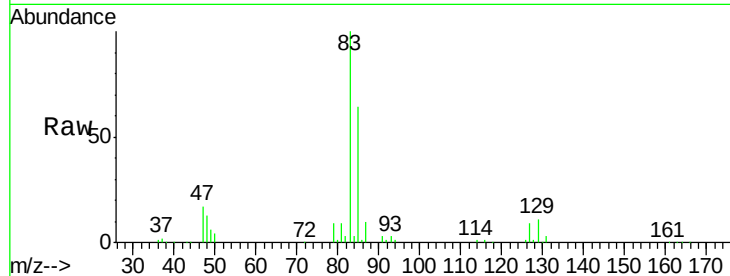
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164467
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.8	77.8
127	9.0	6.8	10.2

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#48

Methyl methacrylate

Concen: 50.205 ug/l

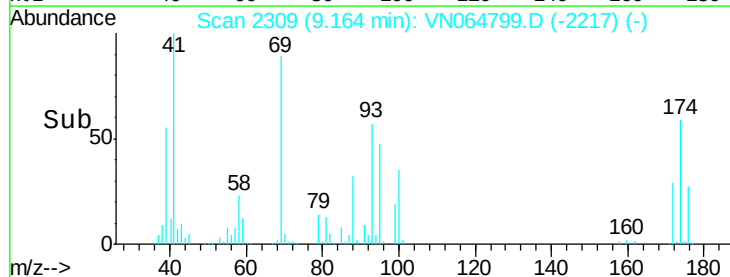
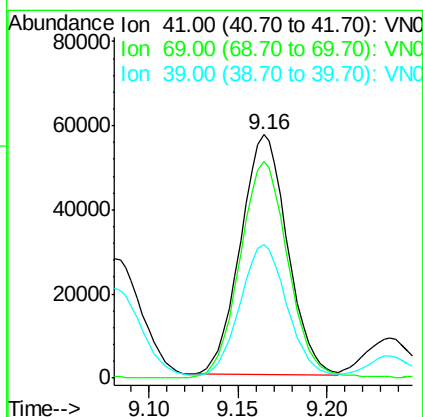
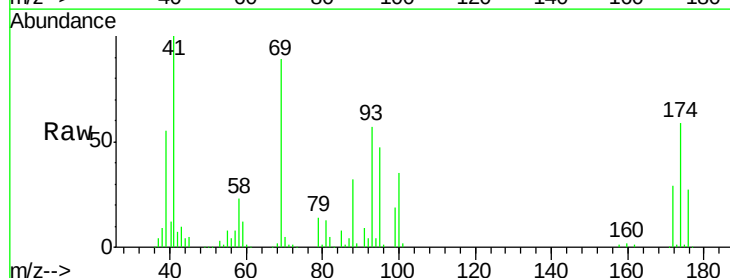
RT: 9.16 min Scan# 2309

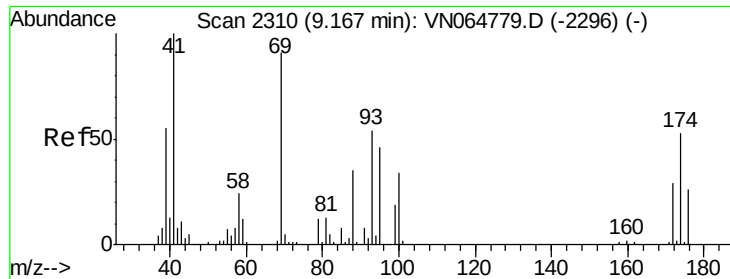
Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion:	41	Resp:	105513
Ion Ratio	Lower	Upper	
41	100		
69	92.3	71.8	107.8
39	54.0	44.1	66.1





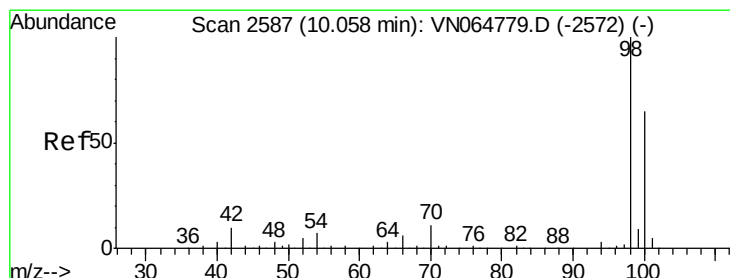
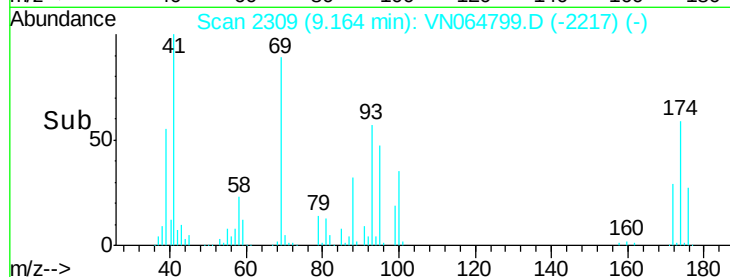
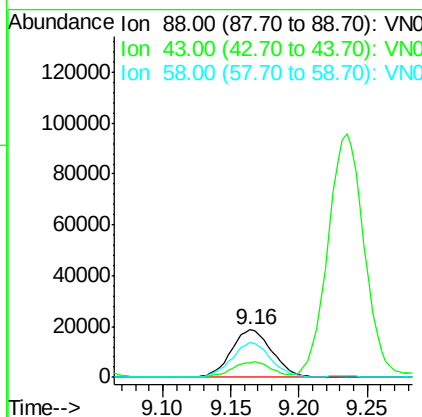
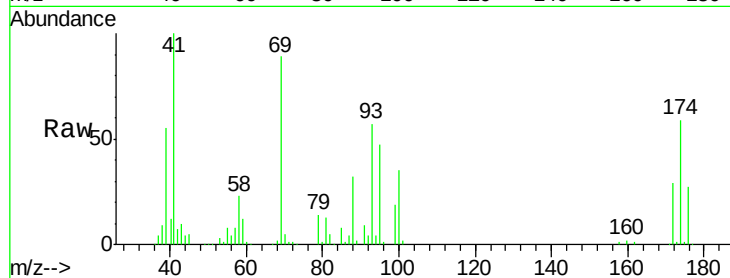
#49
1,4-Dioxane
Concen: 987.804 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.2	36.4
58	69.3	52.5	78.7

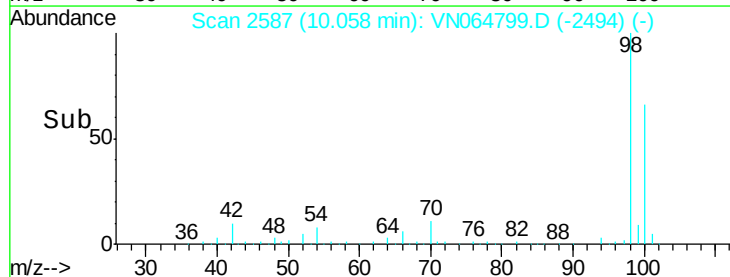
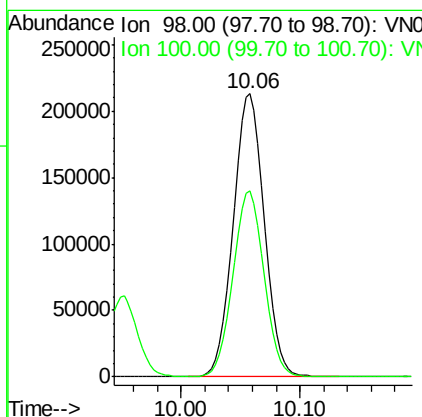
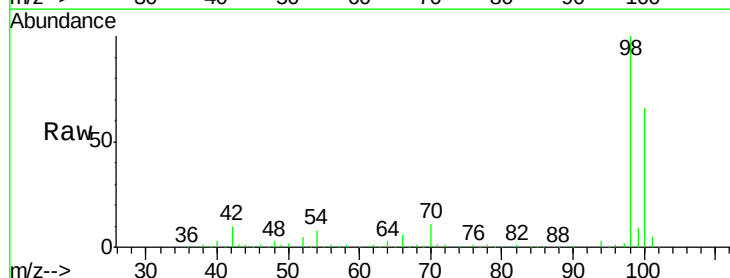
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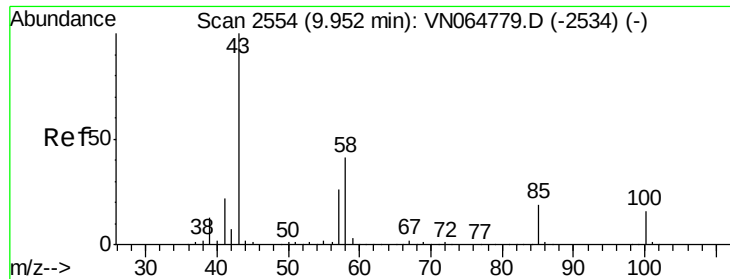
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#50
Toluene-d8
Concen: 51.526 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 253.064 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 668210

Ion Ratio Lower Upper

43 100

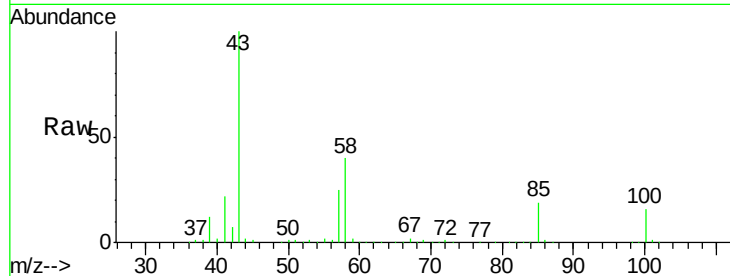
58 39.7 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

400000

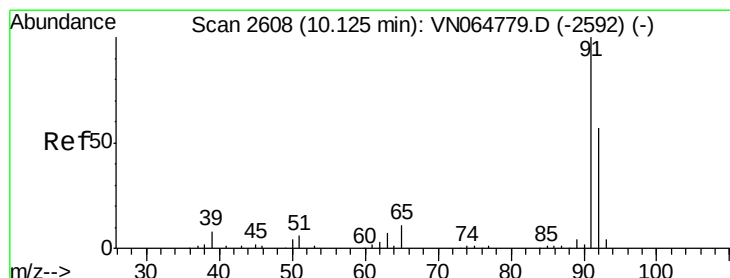
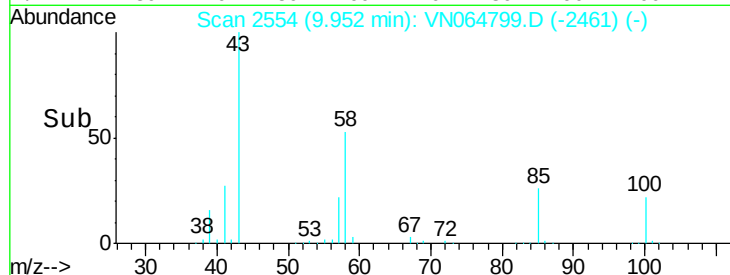
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 55.267 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064799.D

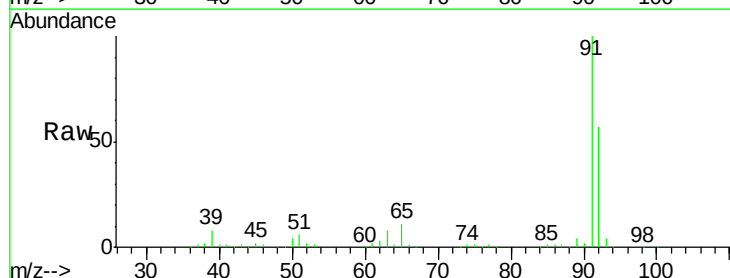
Acq: 24 Nov 2020 9:55

Tgt Ion: 92 Resp: 295949

Ion Ratio Lower Upper

92 100

91 173.0 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

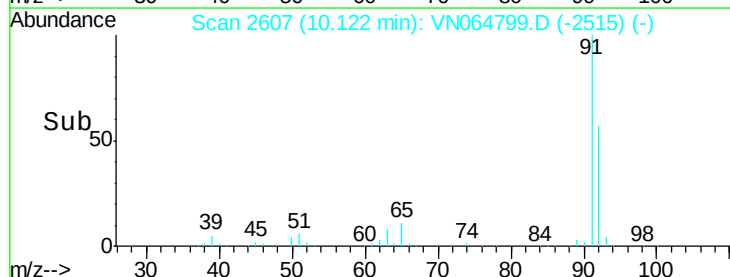
300000

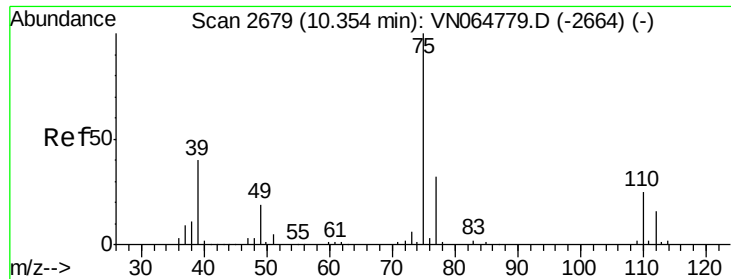
200000

100000

0

Time-->





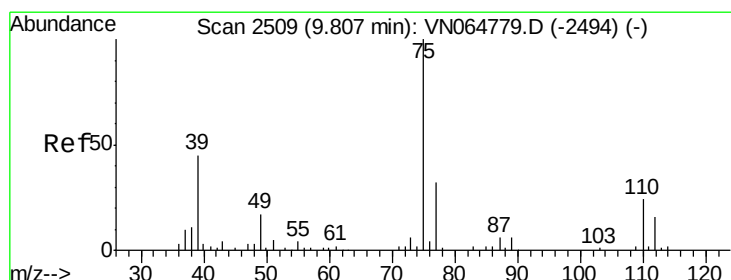
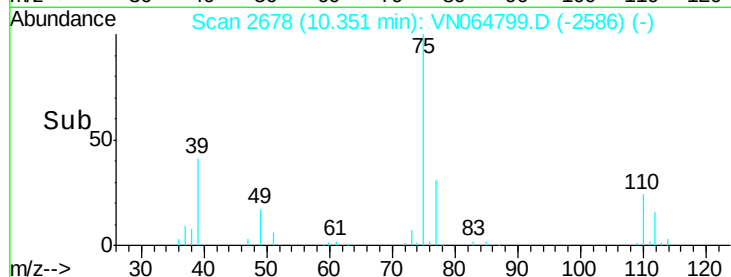
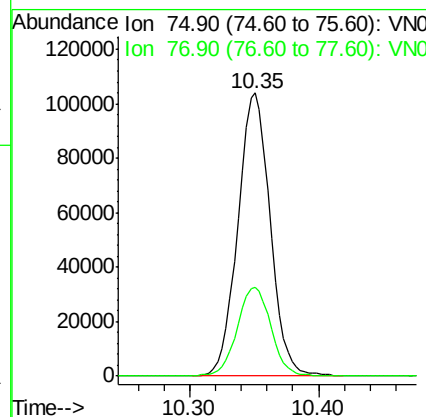
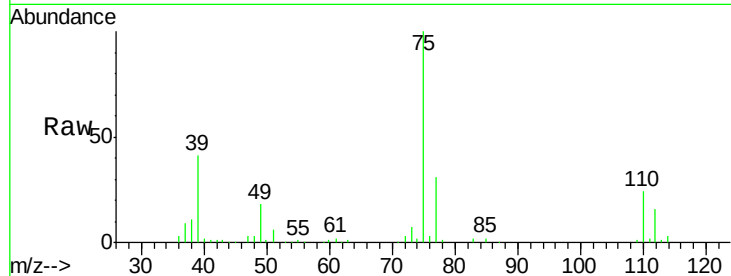
#53
t-1,3-Dichloropropene
Concen: 53.698 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 181035
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6

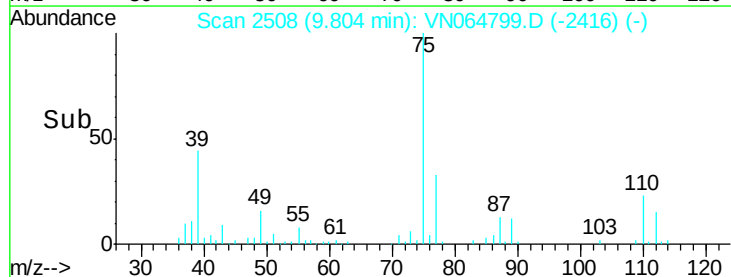
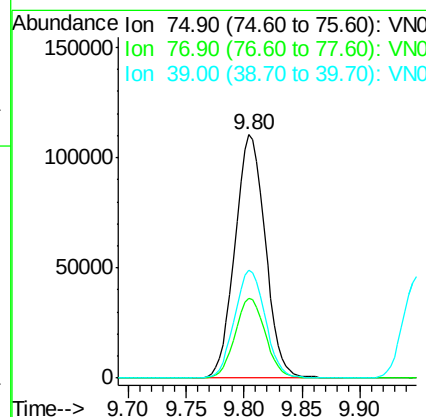
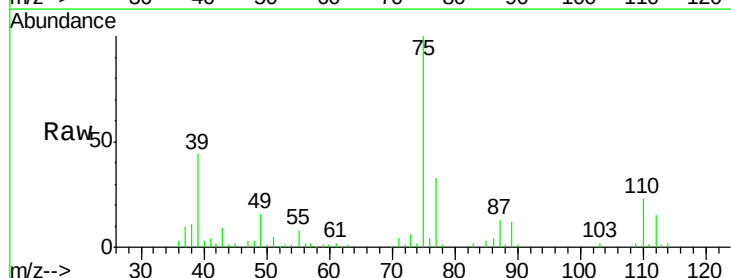
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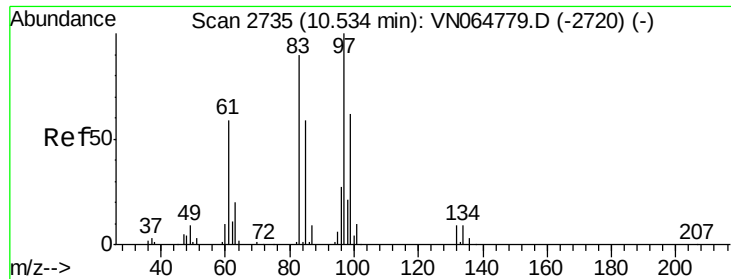
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#54
cis-1,3-Dichloropropene
Concen: 55.266 ug/l
RT: 9.80 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion: 75 Resp: 199713
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
39 44.2 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 52.109 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 114743

Ion Ratio Lower Upper

97 100

83 85.7 72.1 108.1

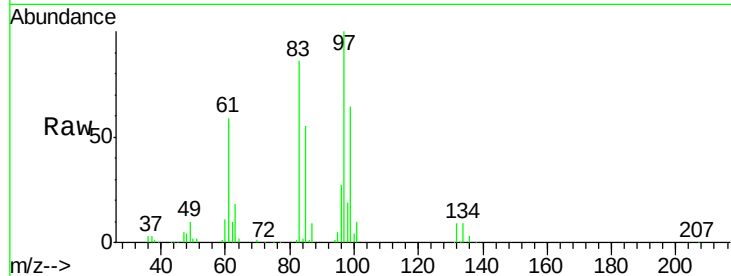
85 55.5 46.8 70.2

99 64.0 49.6 74.4

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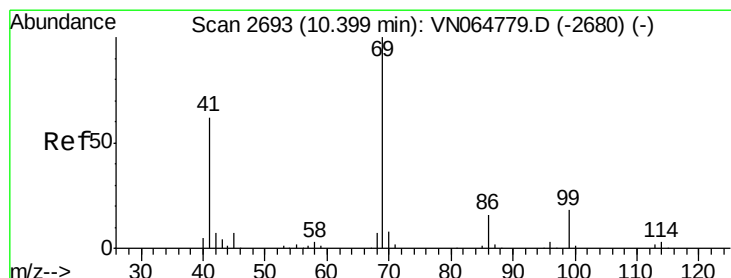
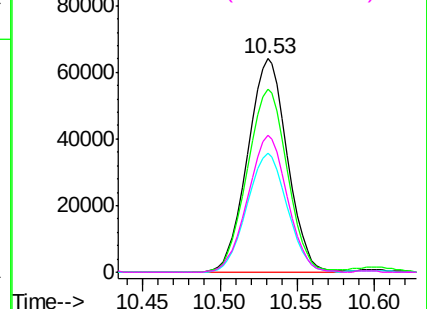
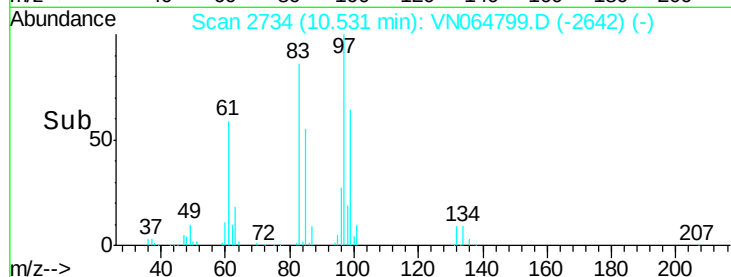


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.380 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

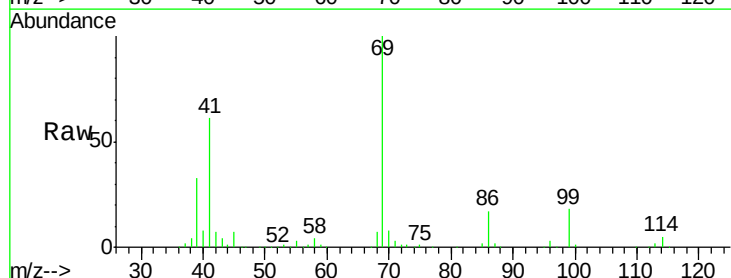
Tgt Ion: 69 Resp: 165241

Ion Ratio Lower Upper

69 100

41 61.2 49.4 74.0

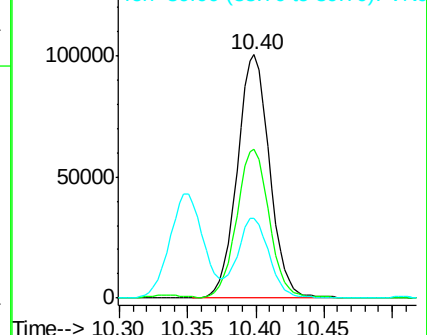
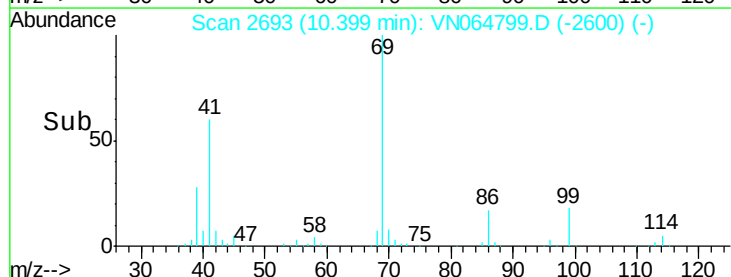
39 31.4 25.9 38.9

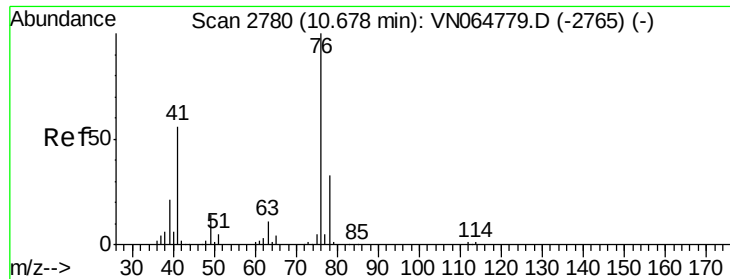


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





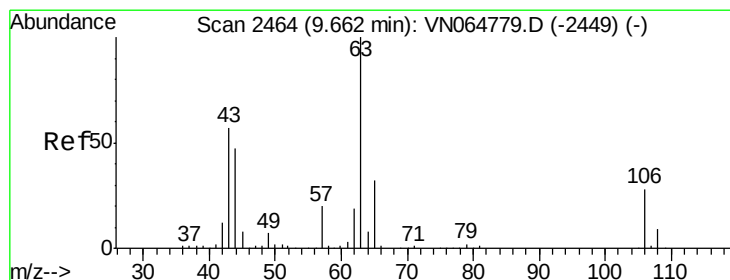
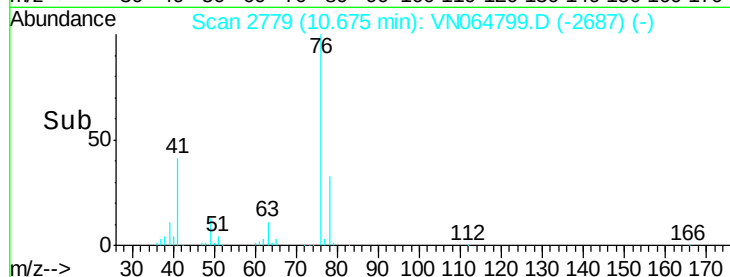
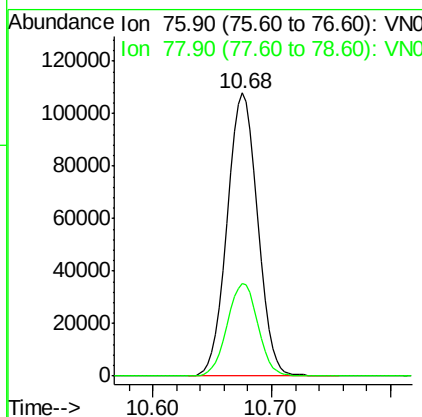
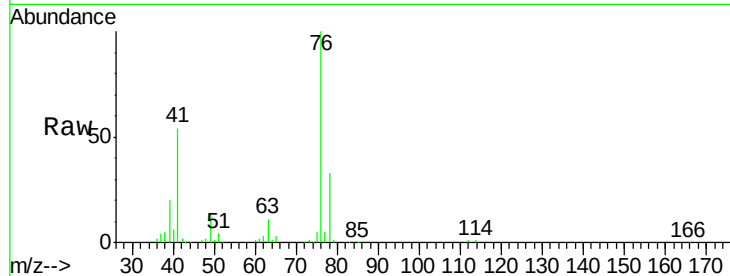
#57
 1,3-Dichloropropane
 Concen: 52.903 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 192163
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.1 39.1

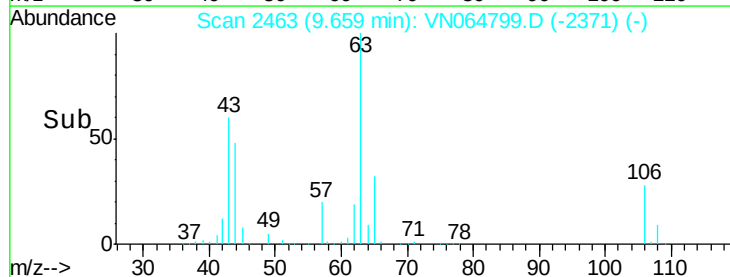
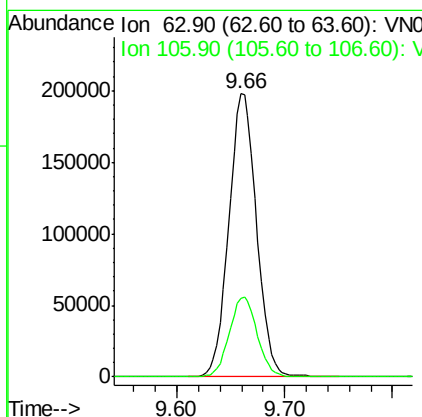
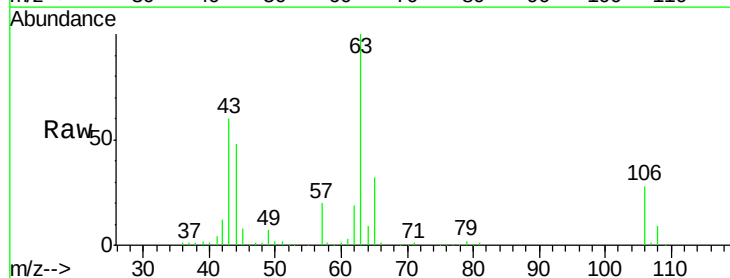
Manual Integrations
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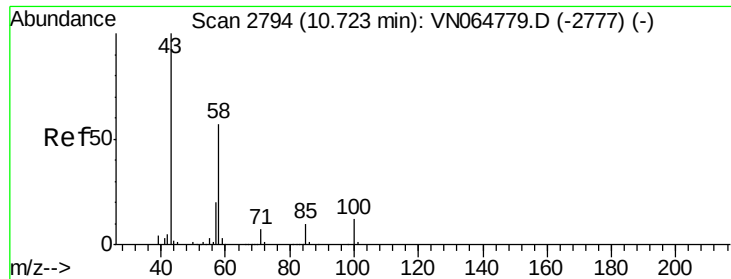
MMDadoda
 11/25/2020 11:06:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 211.880 ug/l
 RT: 9.66 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion: 63 Resp: 354151
 Ion Ratio Lower Upper
 63 100
 106 28.5 22.7 34.1





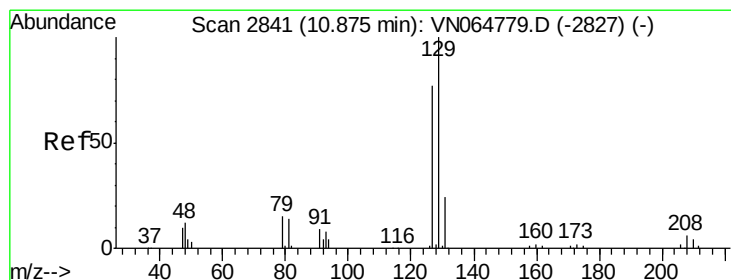
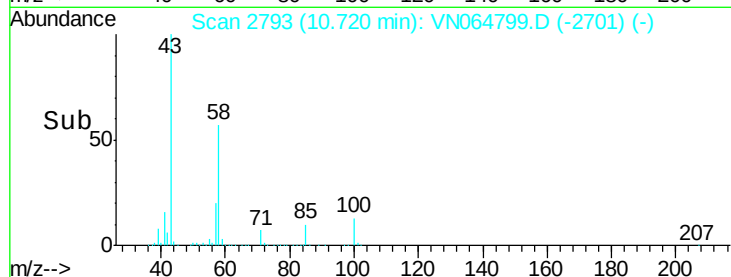
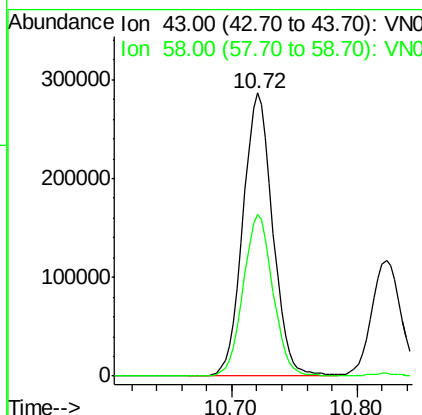
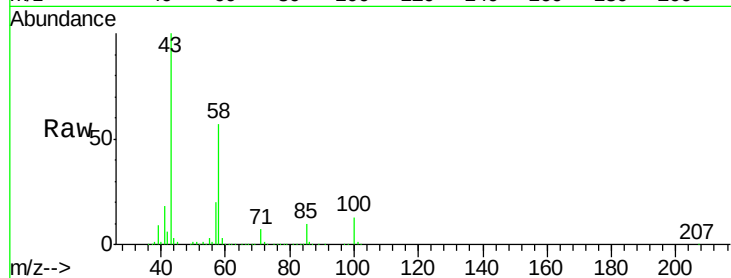
#59
2-Hexanone
Concen: 249.752 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 474606
Ion Ratio Lower Upper
43 100
58 56.8 28.3 84.9

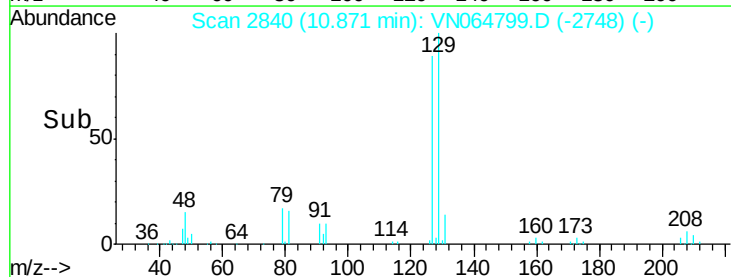
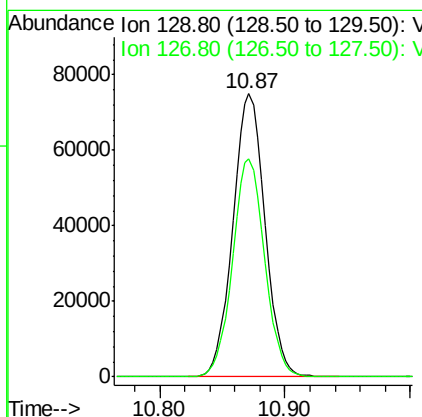
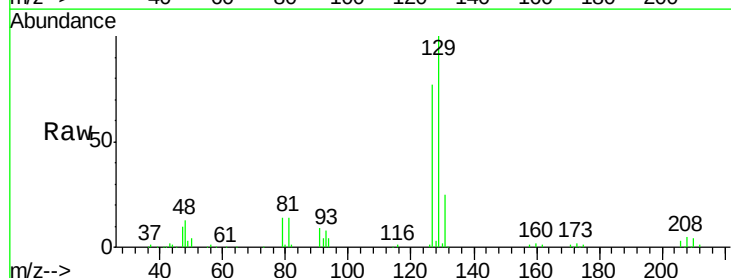
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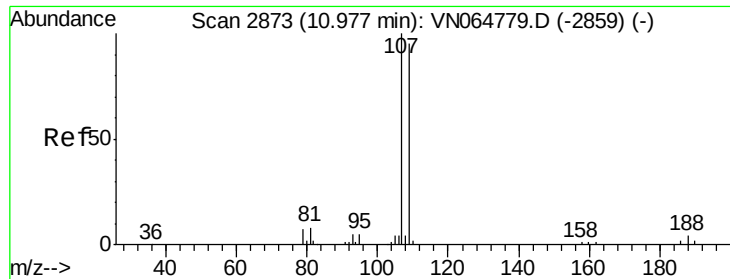
MMDadoda
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#60
Dibromochloromethane
Concen: 54.436 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion:129 Resp: 133243
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





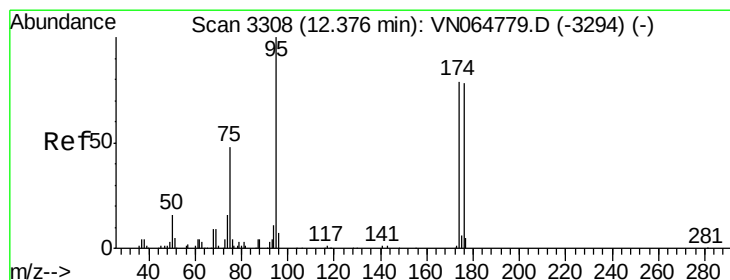
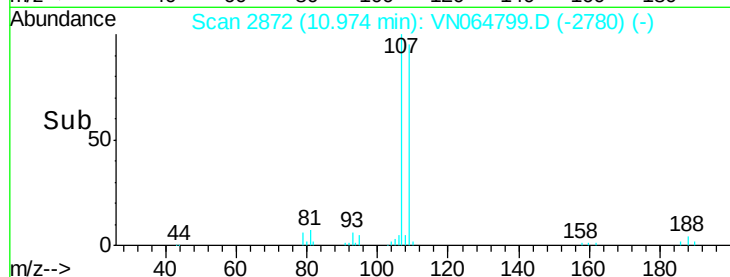
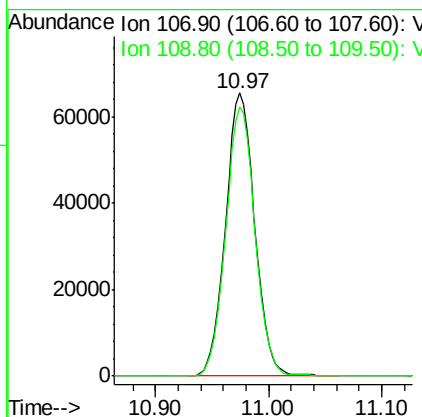
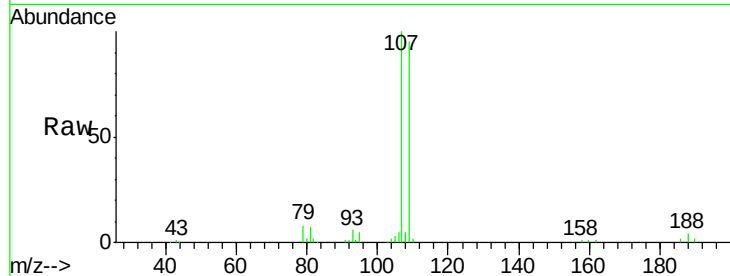
#61
 1,2-Dibromoethane
 Concen: 52.527 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	76.0	114.0

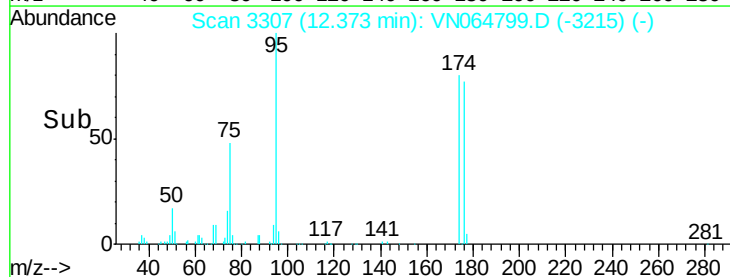
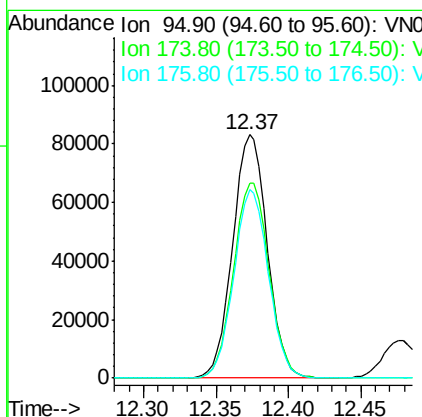
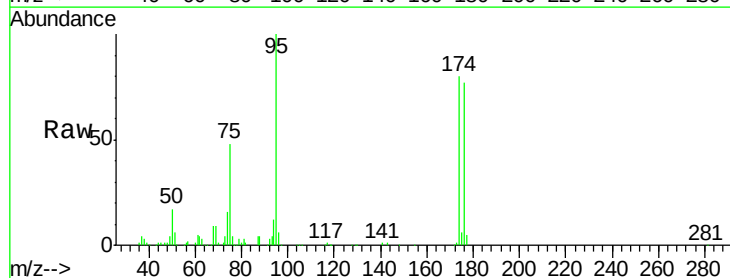
Manual Integrations
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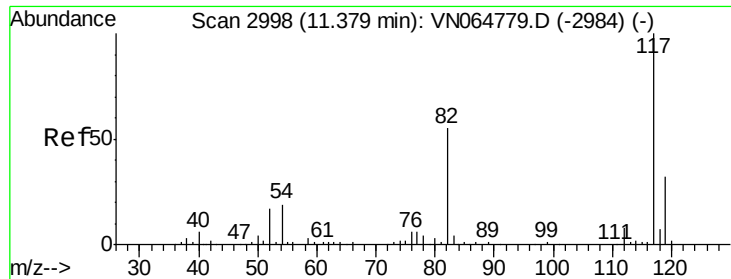
MMDadoda
 11/25/2020 11:06:07 AM



#62
 4-Bromofluorobenzene
 Concen: 51.395 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	160.4
176	77.6	0.0	158.4





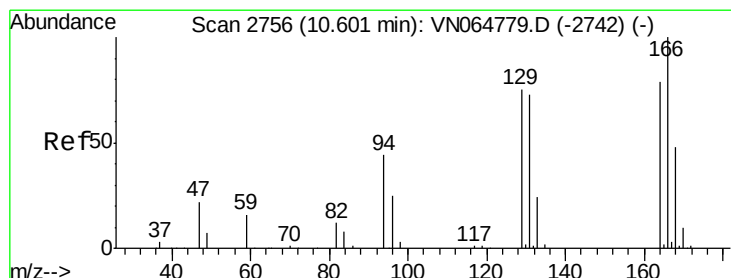
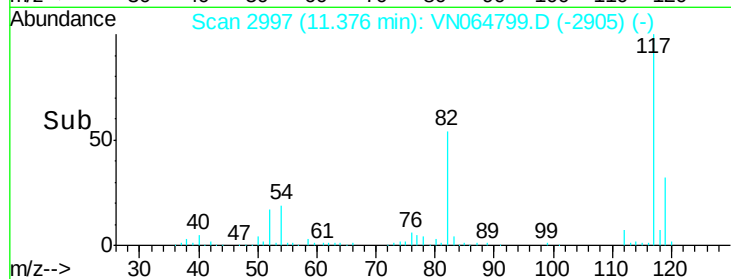
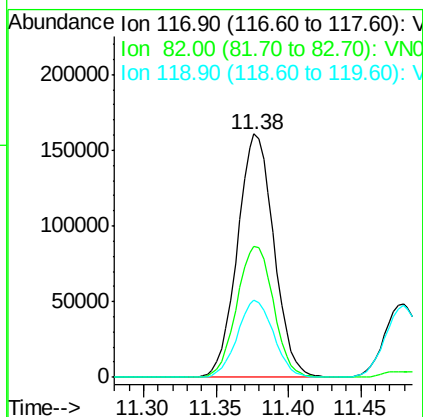
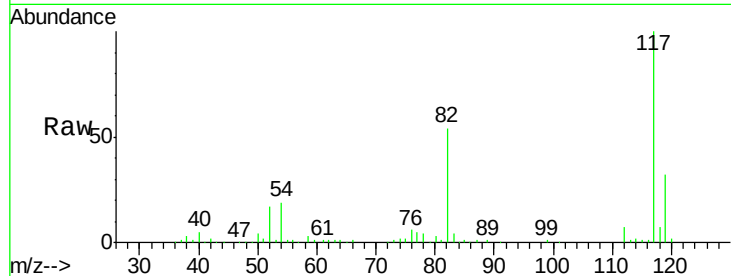
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.2	66.2
119	31.9	25.8	38.6

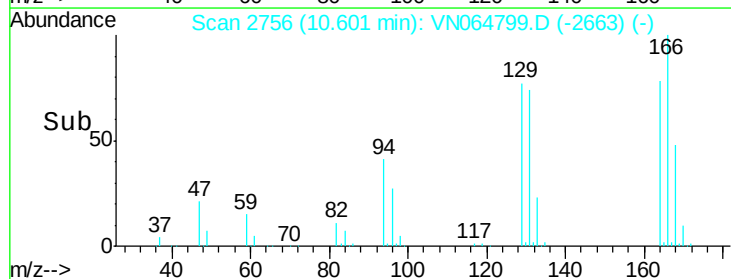
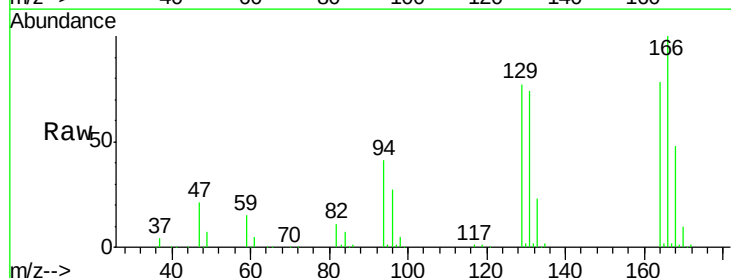
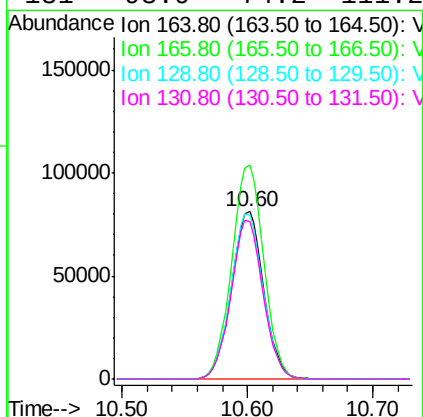
Manual Integrations
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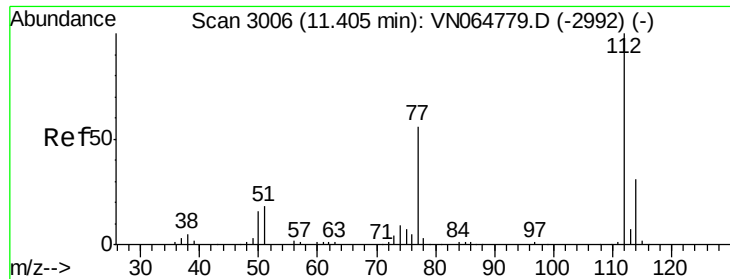
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#64
Tetrachloroethene
Concen: 52.962 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.4	152.0
129	97.9	76.1	114.1
131	93.9	74.2	111.2





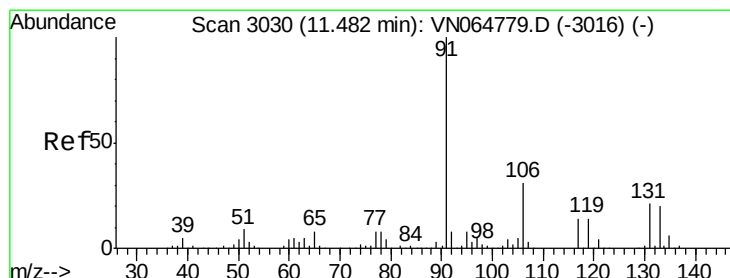
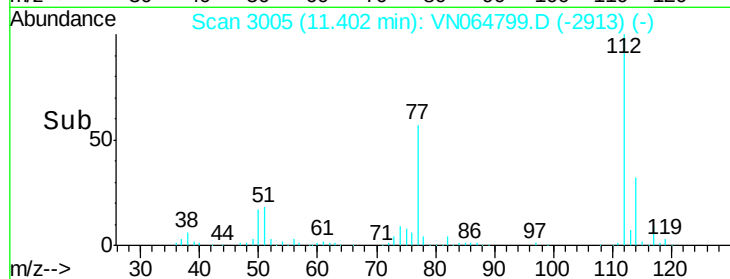
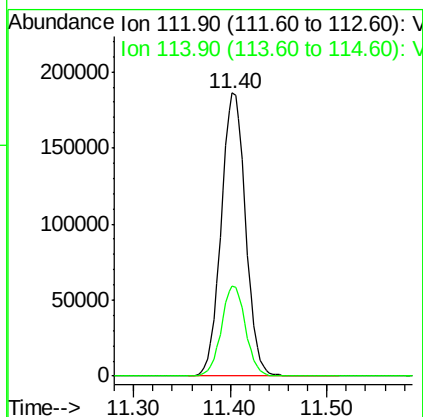
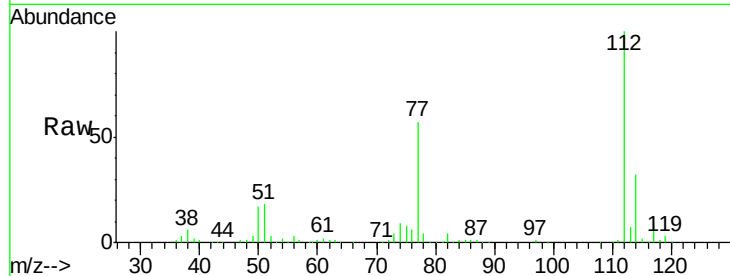
#65
Chlorobenzene
Concen: 54.046 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 325851
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7

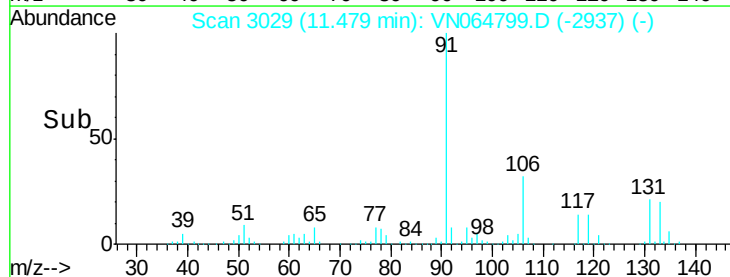
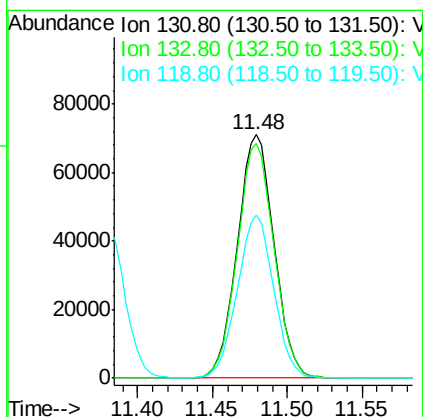
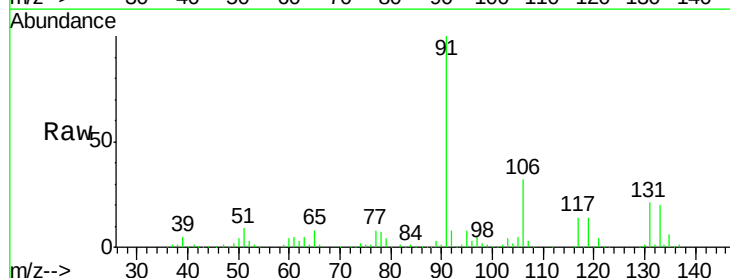
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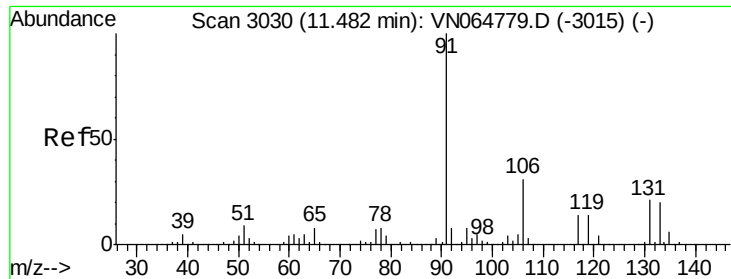
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.843 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion:131 Resp: 121518
Ion Ratio Lower Upper
131 100
133 96.4 47.5 142.5
119 66.2 33.3 99.8





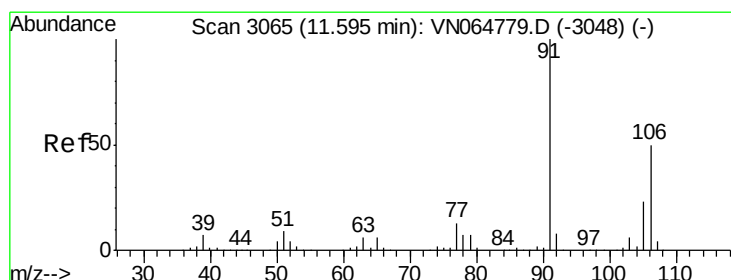
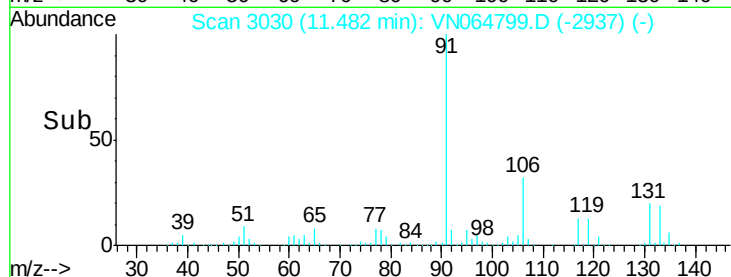
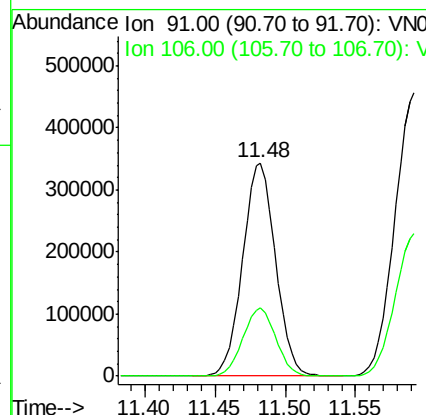
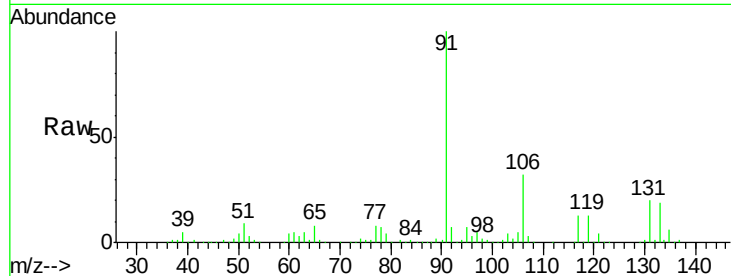
#67
Ethyl Benzene
Concen: 55.697 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 560985
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8

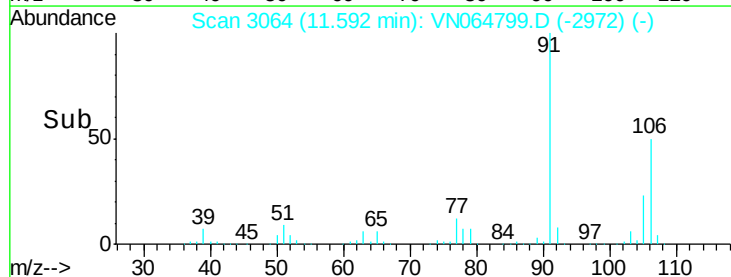
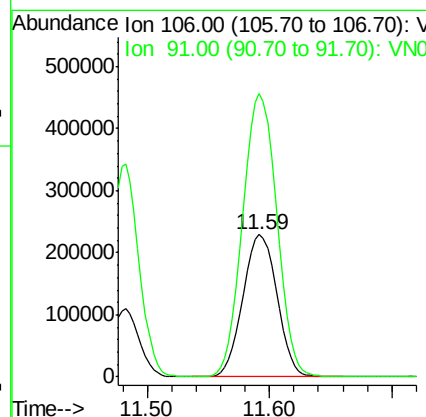
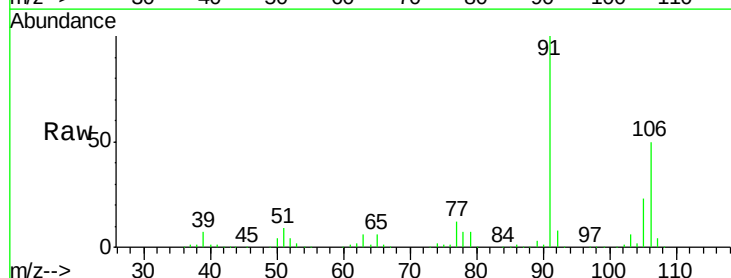
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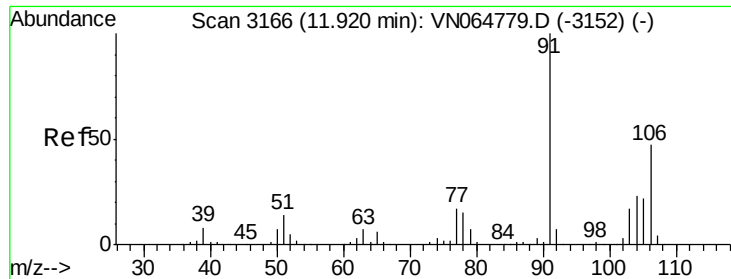
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#68
m/p-Xylenes
Concen: 115.925 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion: 106 Resp: 442065
Ion Ratio Lower Upper
106 100
91 199.9 161.0 241.4





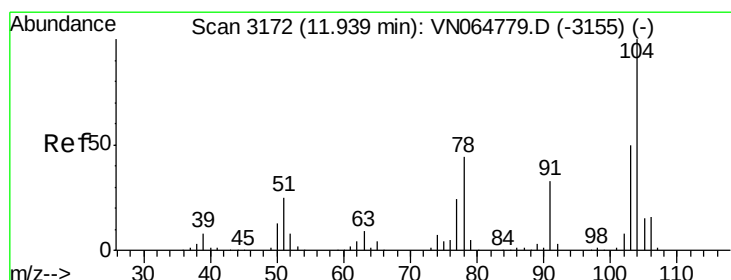
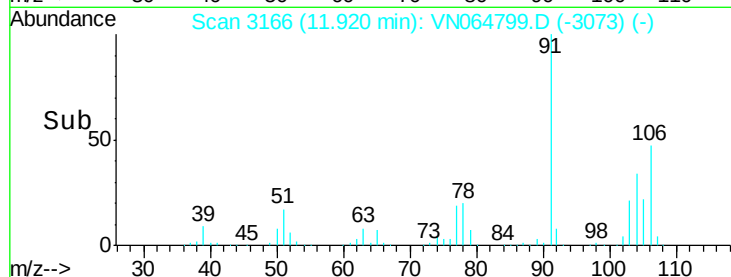
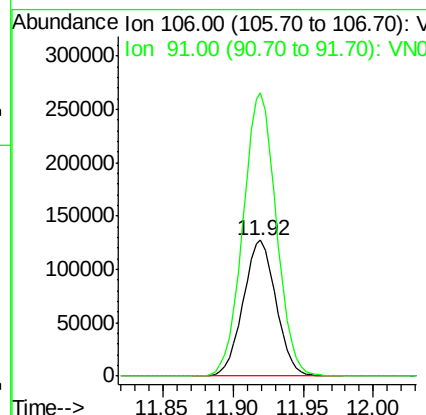
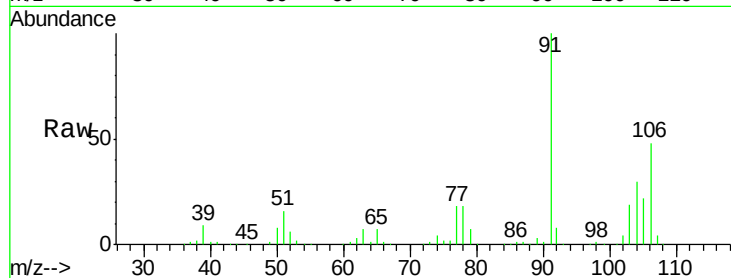
#69
o-Xylene
Concen: 57.716 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		208857		
91	210.3	105.5	316.5		

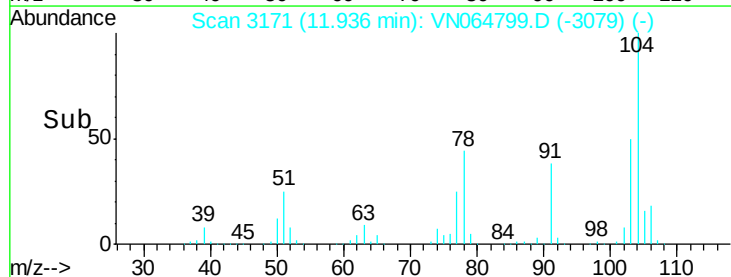
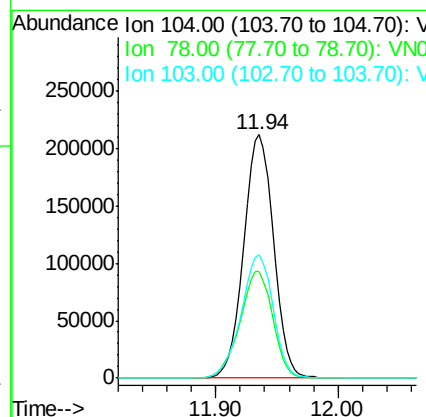
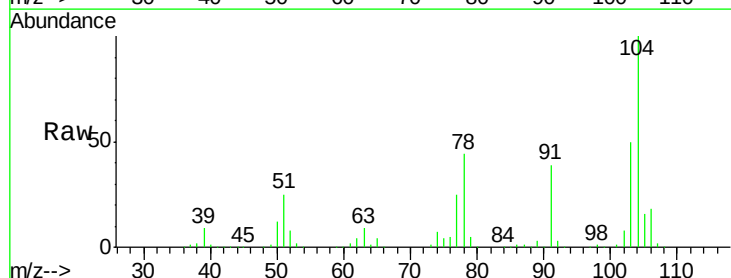
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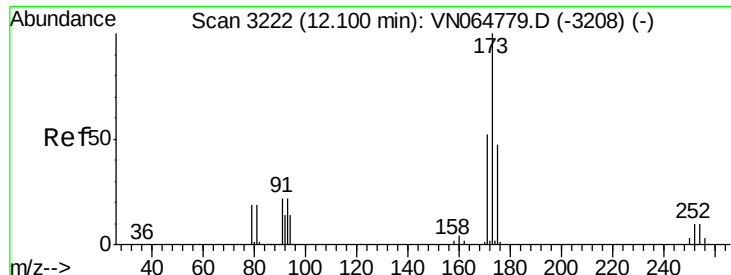
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#70
Styrene
Concen: 58.643 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		358248		
78	48.3	39.0	58.6		
103	54.5	44.3	66.5		





#71

Bromoform

Concen: 51.257 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 90710

Ion Ratio Lower Upper

173 100

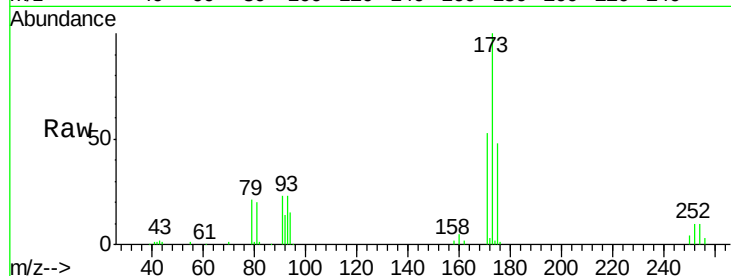
175 48.8 24.3 72.8

254 0.0 0.0 0.0

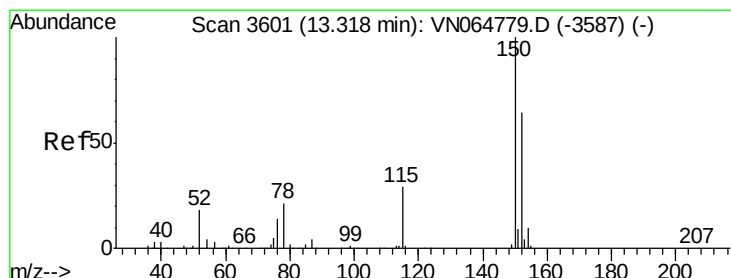
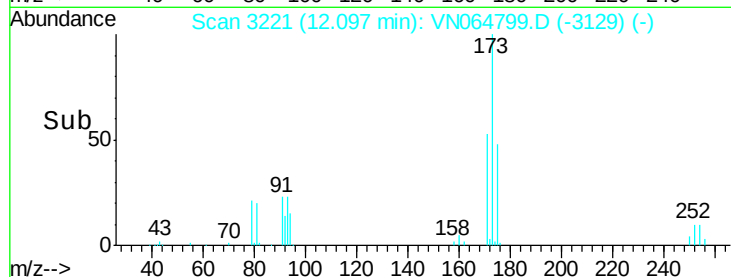
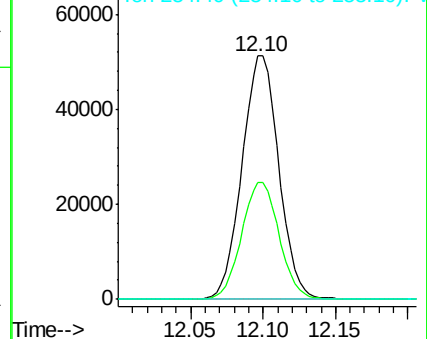
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

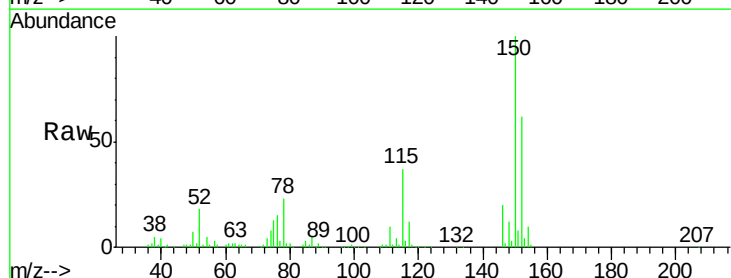
Tgt Ion:152 Resp: 140742

Ion Ratio Lower Upper

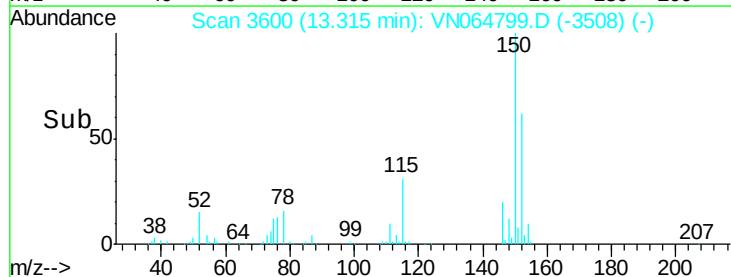
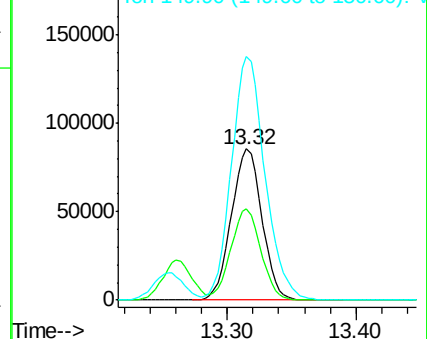
152 100

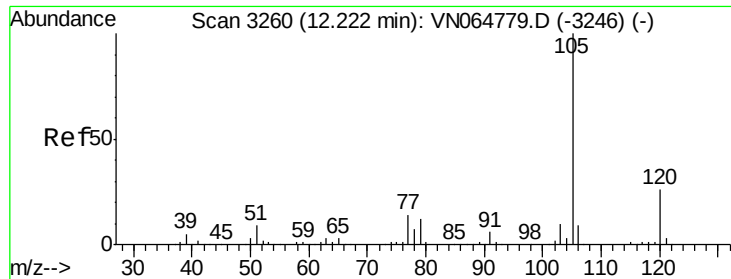
115 59.3 29.7 89.1

150 176.0 0.0 350.6



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





#73

Isopropylbenzene

Concen: 56.586 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 553954

Ion Ratio Lower Upper

105 100

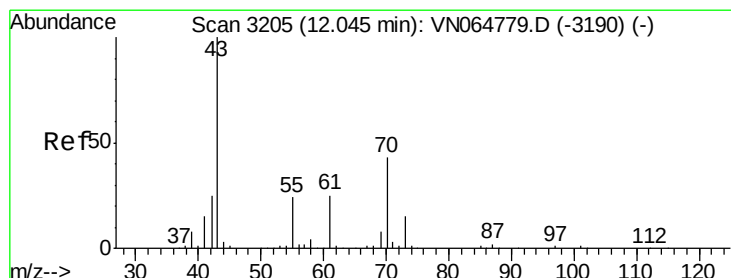
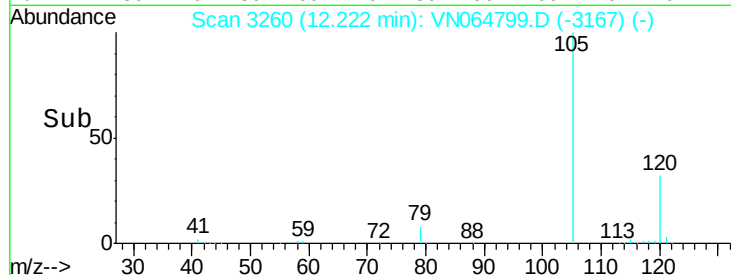
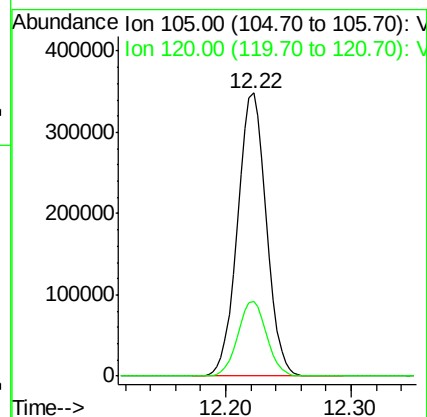
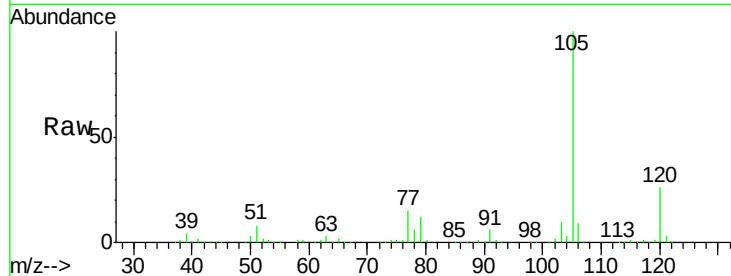
120 26.5 13.3 39.9

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#74

N-ethyl acetate

Concen: 50.844 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion: 43 Resp: 195881

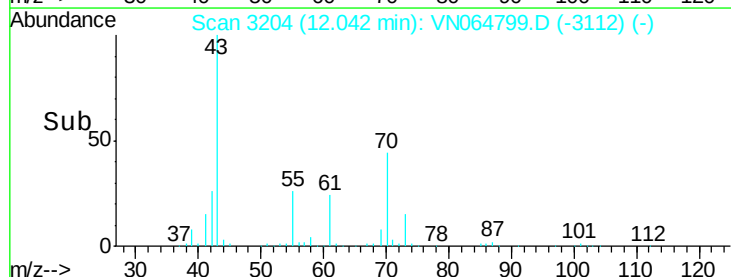
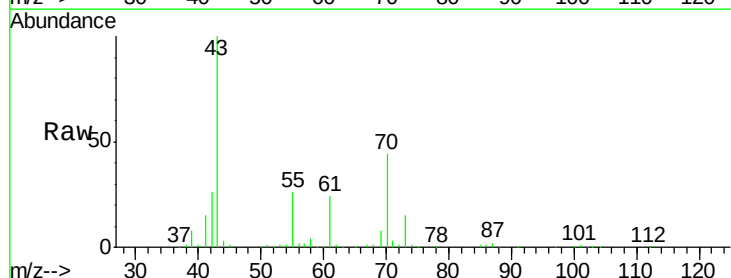
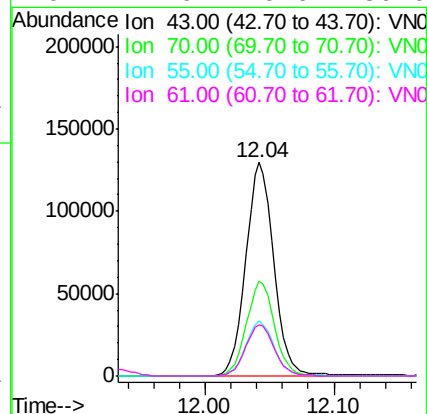
Ion Ratio Lower Upper

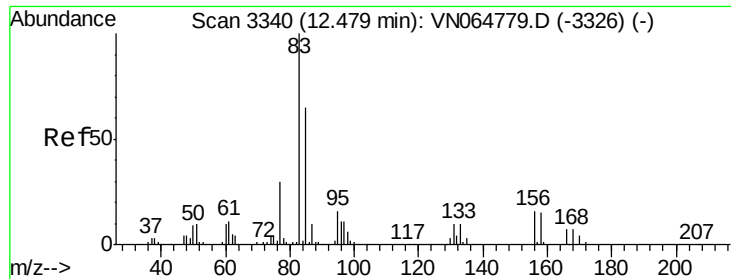
43 100

70 44.6 34.5 51.7

55 26.2 20.4 30.6

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.544 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

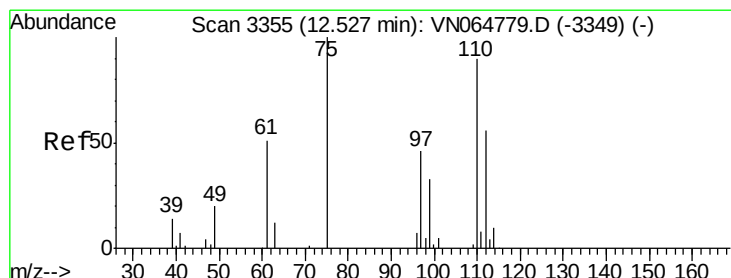
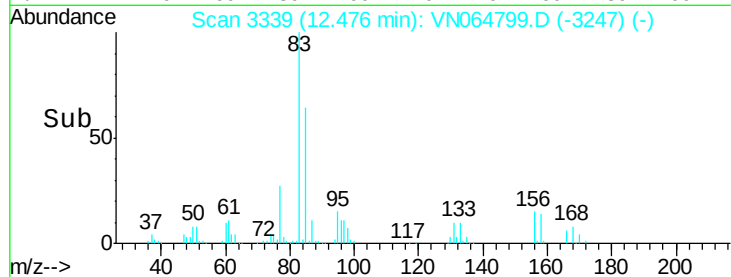
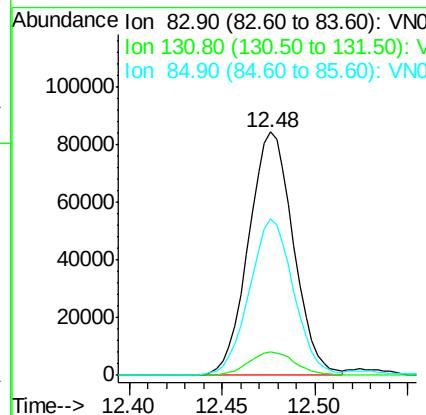
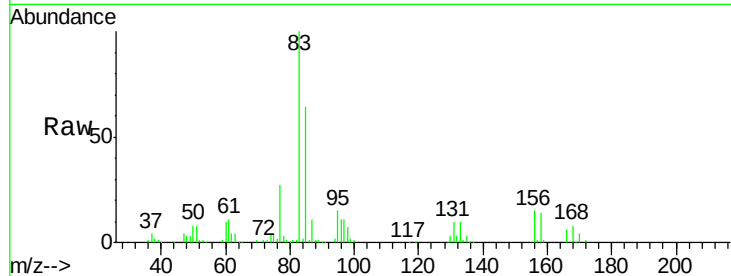
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	142159
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	63.5	33.0	99.0

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#76

1,2,3-Trichloropropane

Concen: 51.131 ug/l m

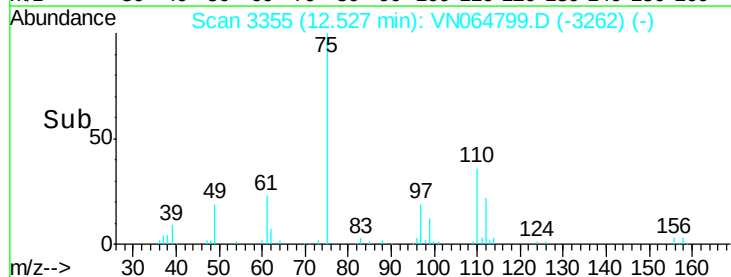
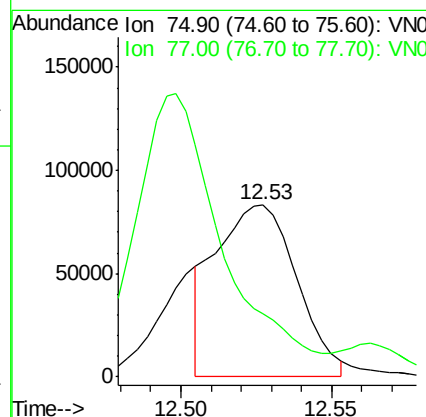
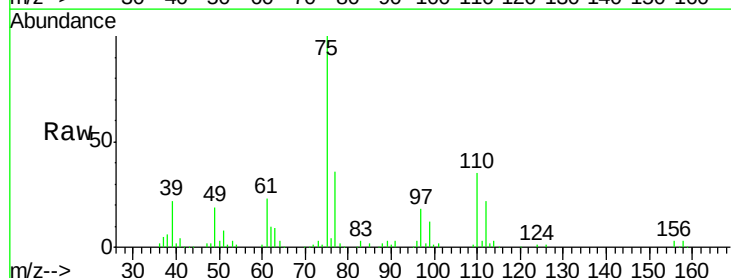
RT: 12.53 min Scan# 3355

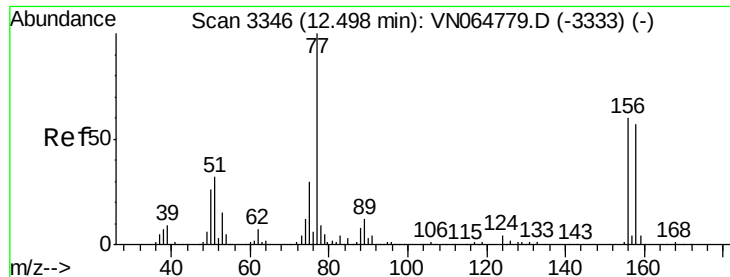
Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion:	75	Resp:	154979
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.786 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

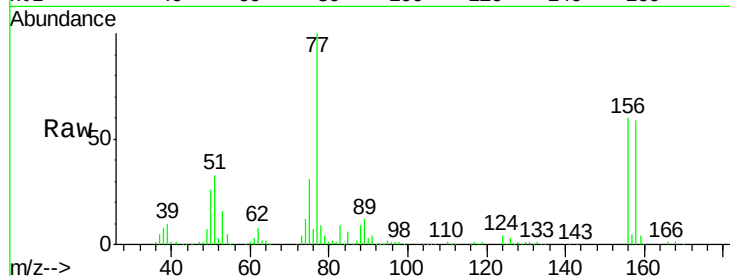
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	101.3	303.7
158	96.4	48.2	144.6

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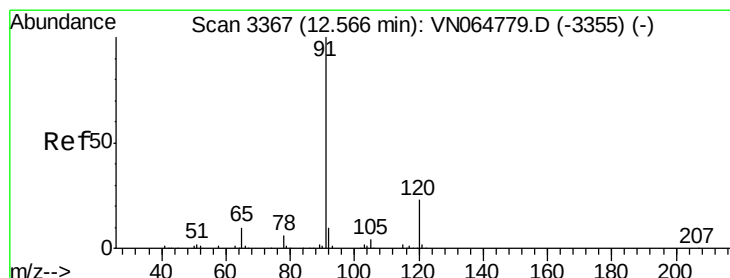
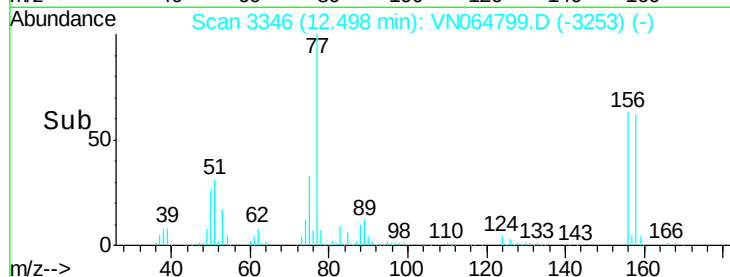
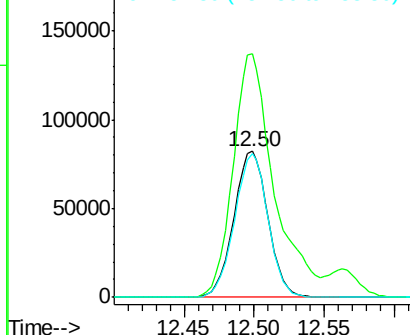
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.113 ug/l

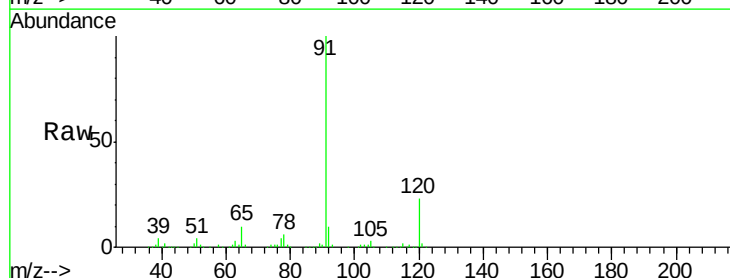
RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064799.D

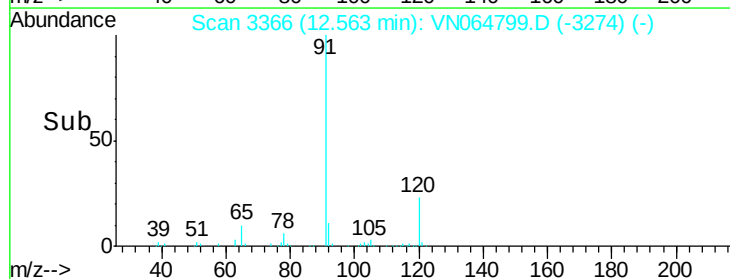
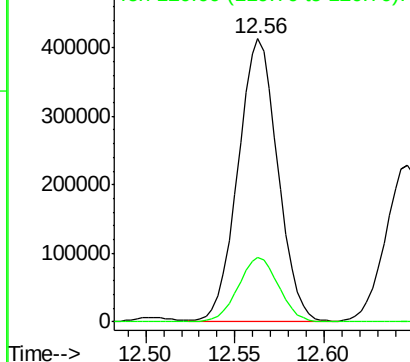
Acq: 24 Nov 2020 9:55

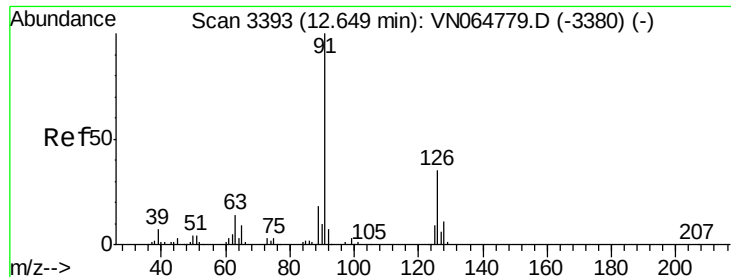
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.897 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 371549

Ion Ratio Lower Upper

91 100

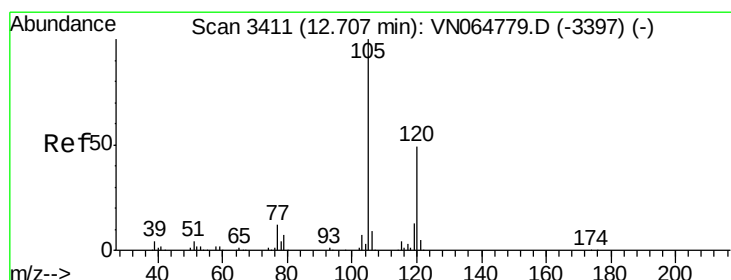
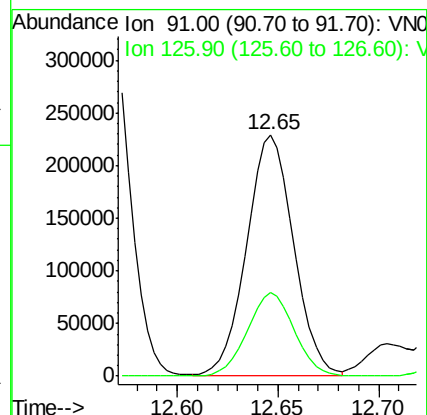
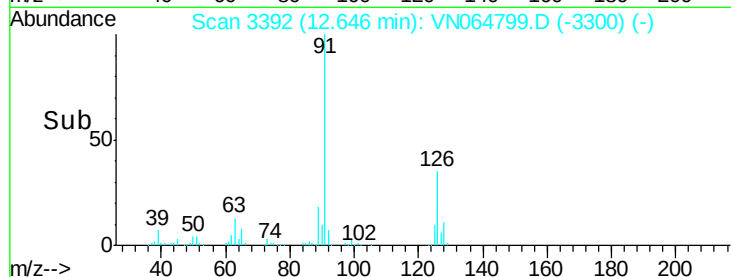
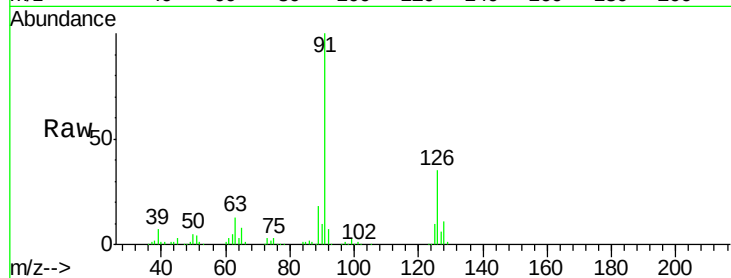
126 34.8 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 58.505 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064799.D

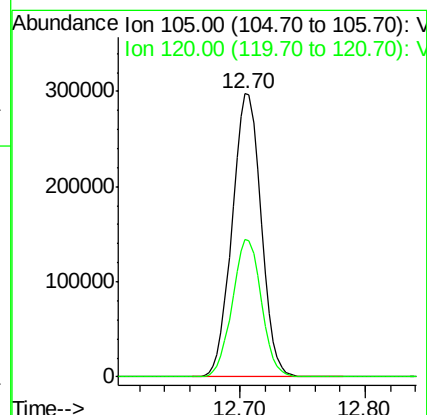
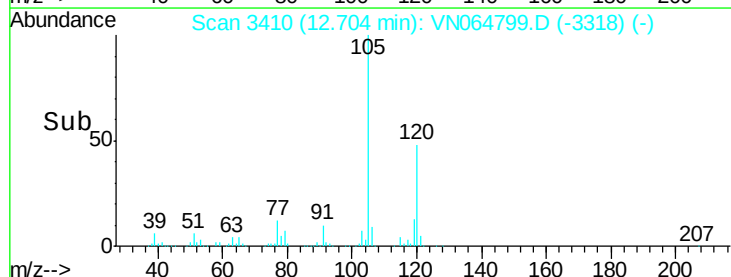
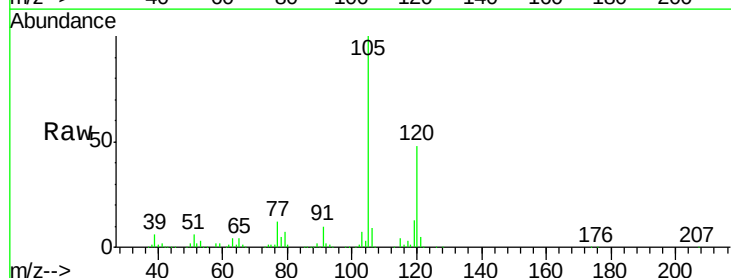
Acq: 24 Nov 2020 9:55

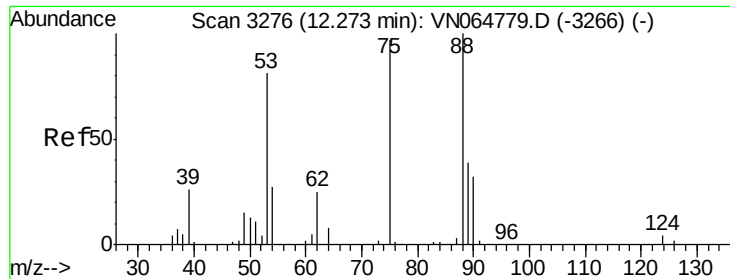
Tgt Ion: 105 Resp: 476057

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.6





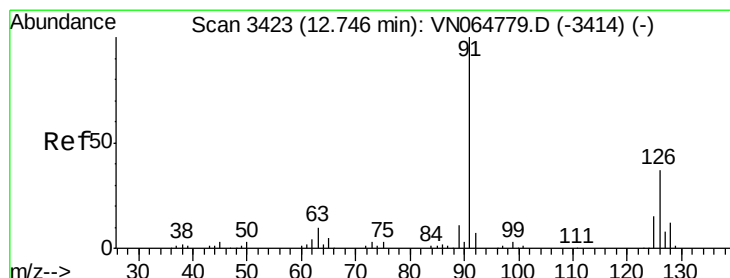
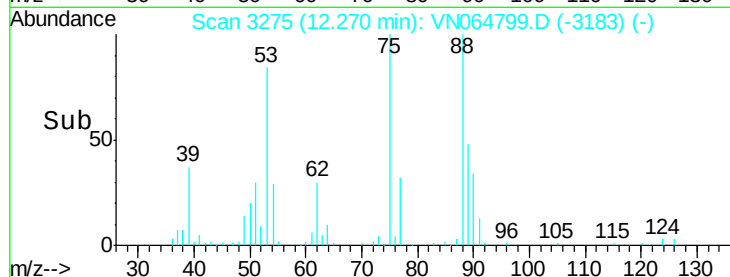
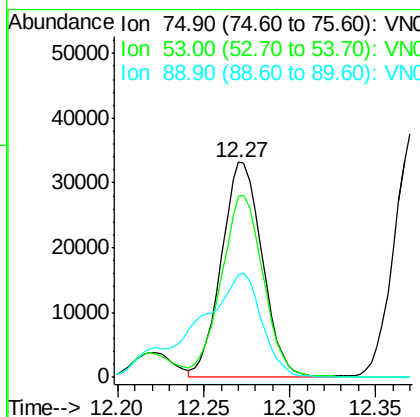
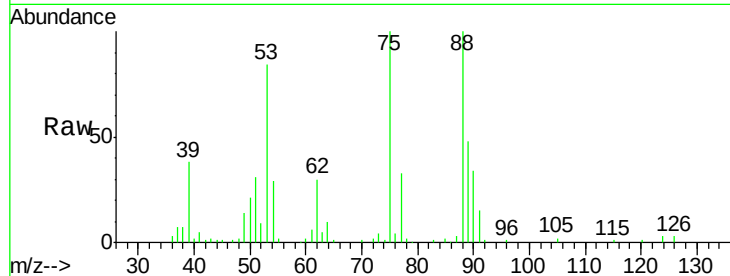
#81
trans-1,4-Dichloro-2-butene
Concen: 49.975 ug/l
RT: 12.27 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	67.0	100.4
89	67.1	39.6	59.4#

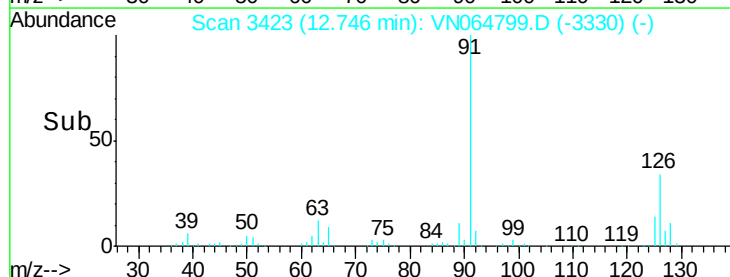
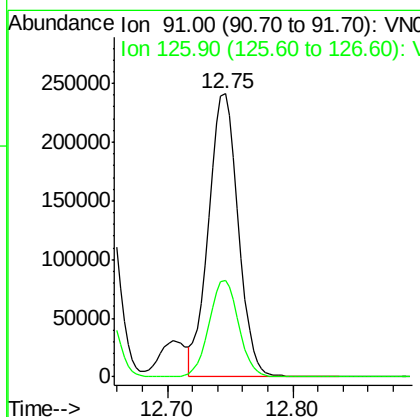
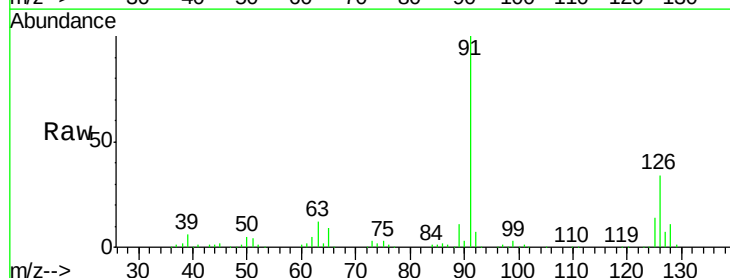
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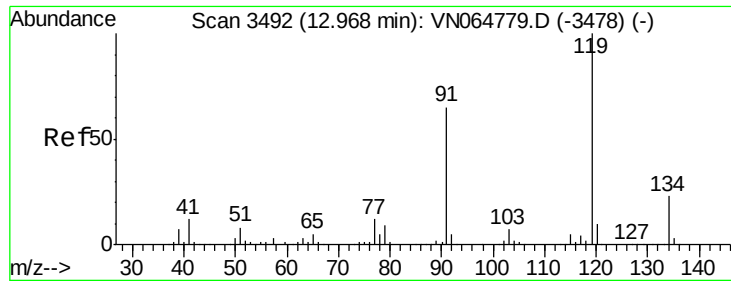
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#82
4-Chlorotoluene
Concen: 54.605 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.7





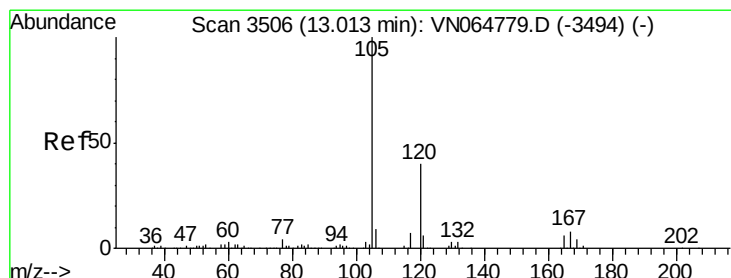
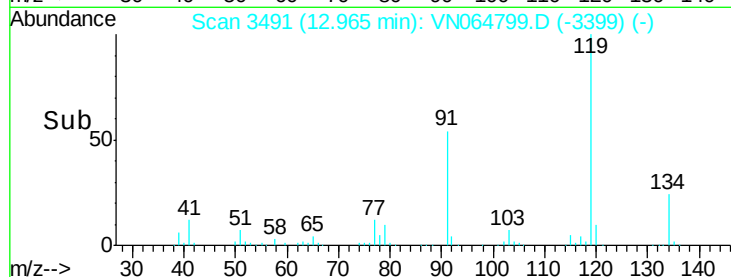
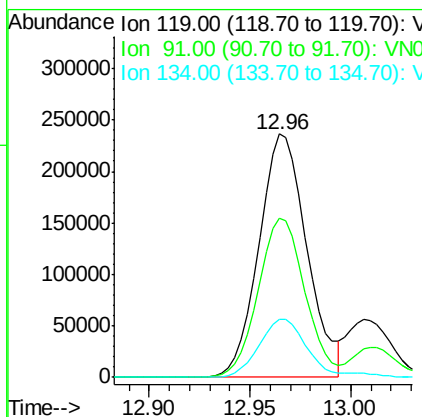
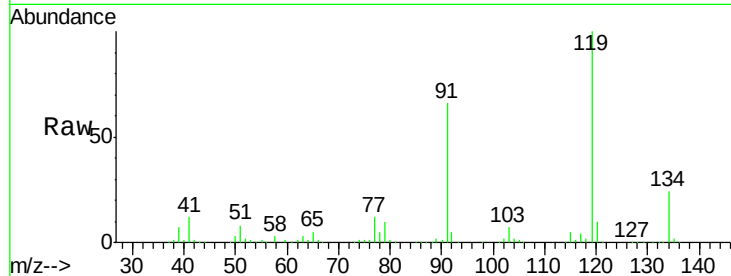
#83
 tert-Butylbenzene
 Concen: 57.372 ug/l
 RT: 12.96 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.3	96.8
134	24.7	12.6	37.6

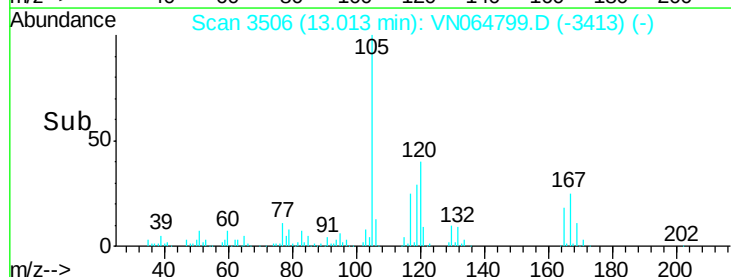
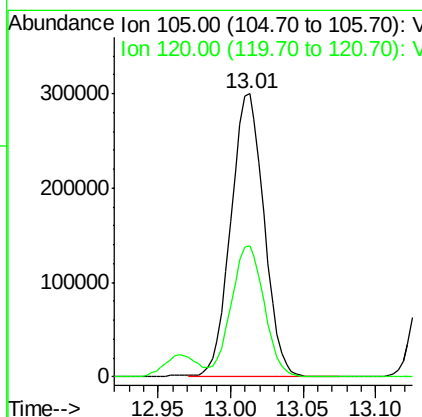
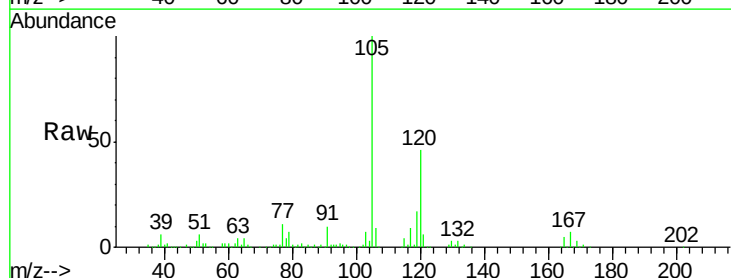
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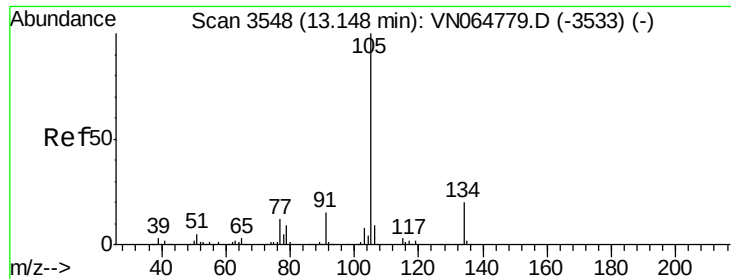
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.703 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.1	69.2





#85

sec-Butylbenzene

Concen: 57.786 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 523290

Ion Ratio Lower Upper

105 100

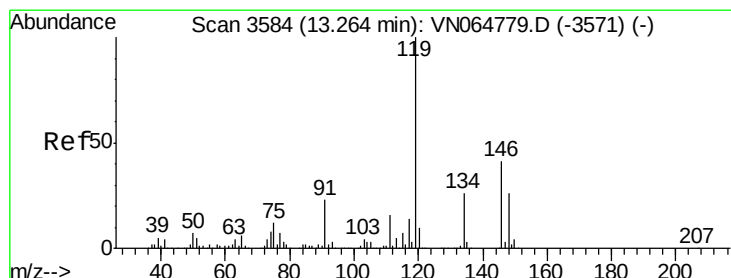
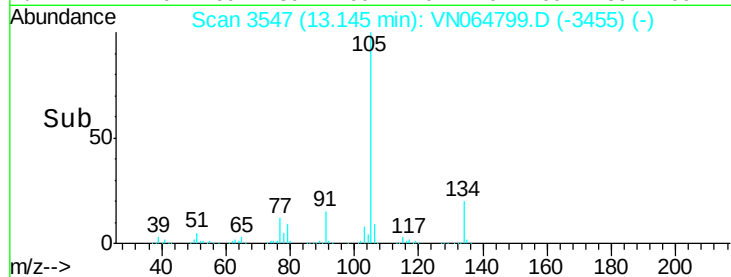
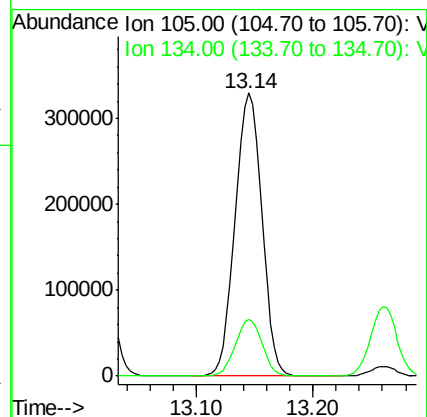
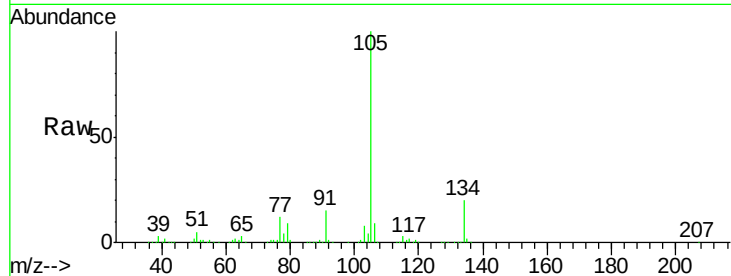
134 19.8 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 59.302 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

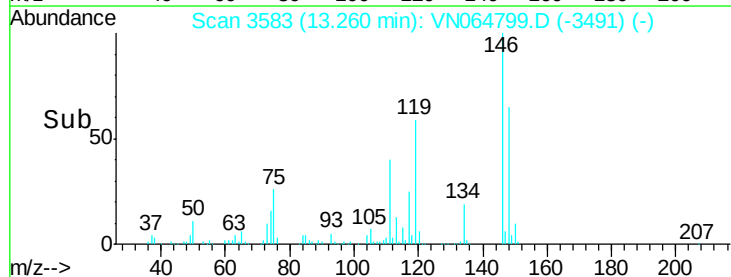
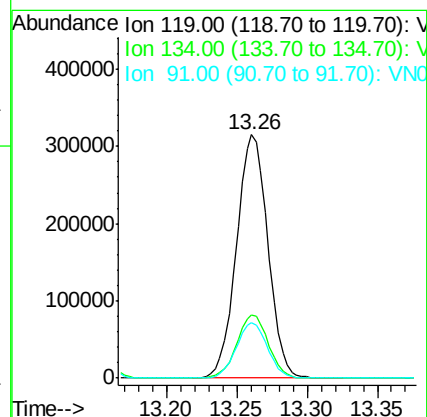
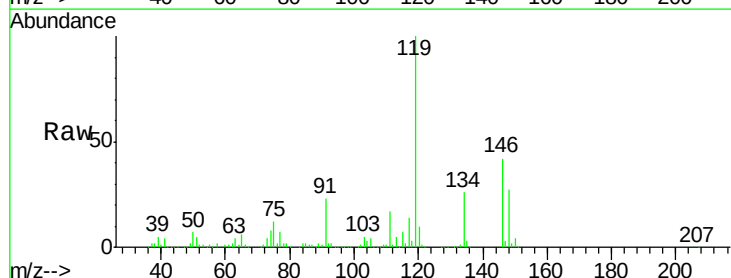
Tgt Ion:119 Resp: 488919

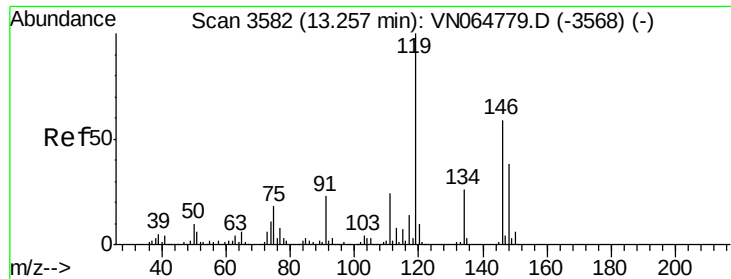
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 22.6 11.5 34.5





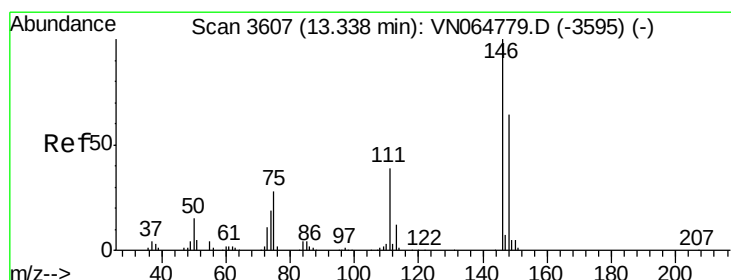
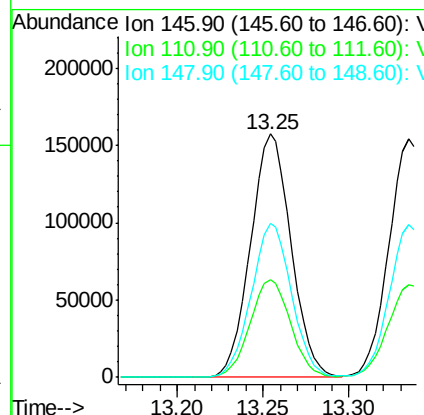
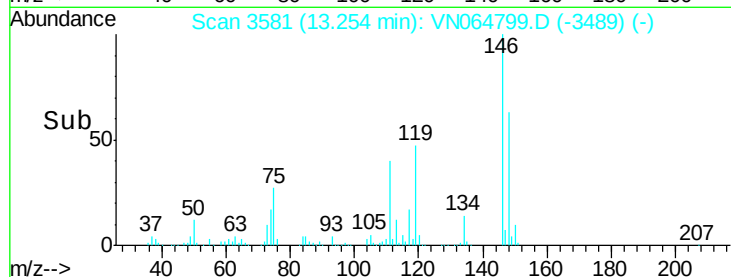
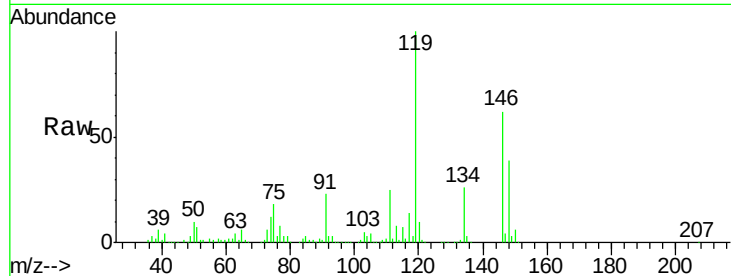
#87
 1,3-Dichlorobenzene
 Concen: 54.743 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256695		
111	40.2	20.6	61.9	
148	62.8	31.9	95.5	

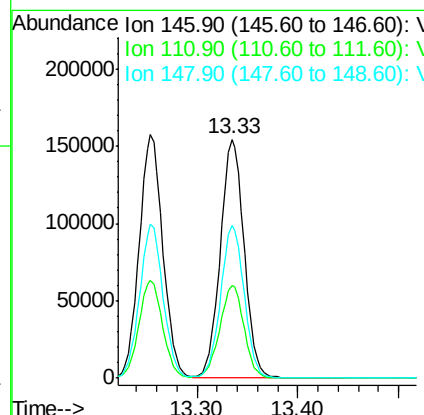
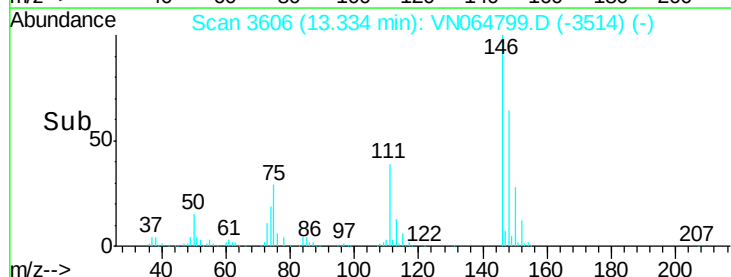
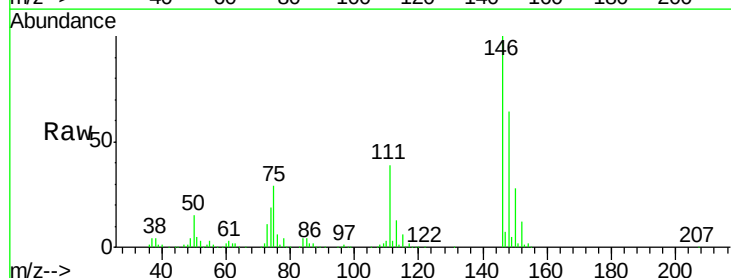
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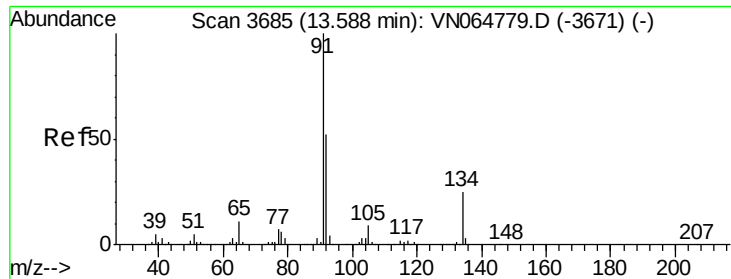
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#88
 1,4-Dichlorobenzene
 Concen: 51.350 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	254640		
111	39.1	19.8	59.3	
148	62.9	31.9	95.5	





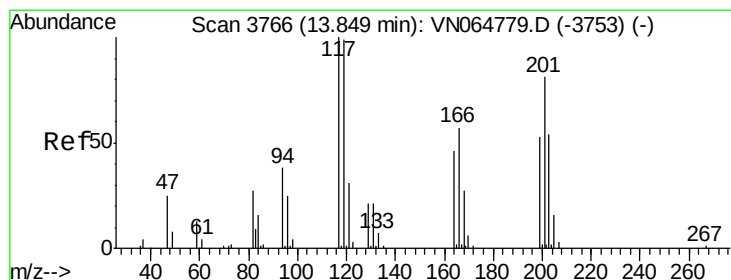
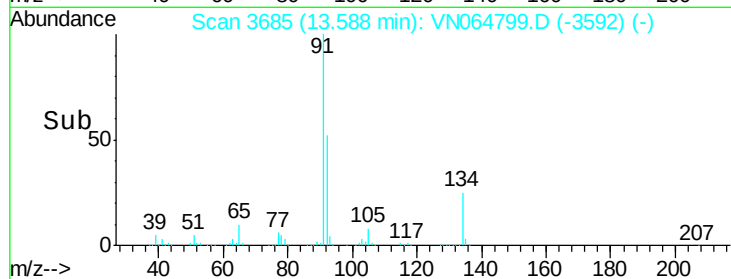
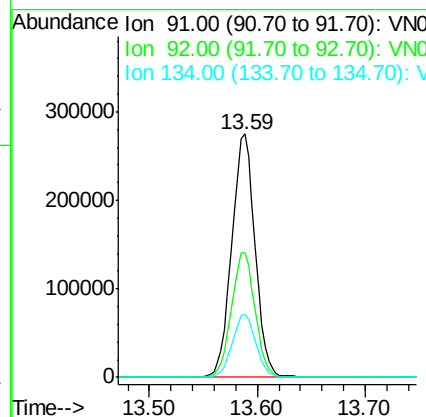
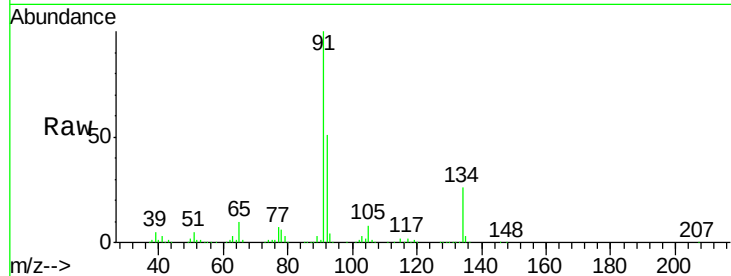
#89
n-Butylbenzene
Concen: 57.383 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.0	78.0
134	26.1	12.9	38.6

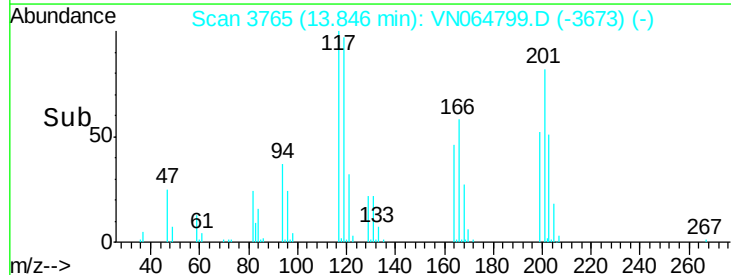
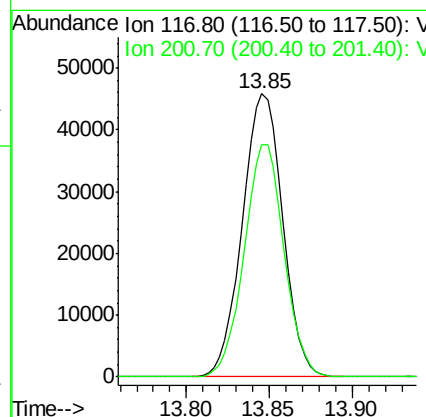
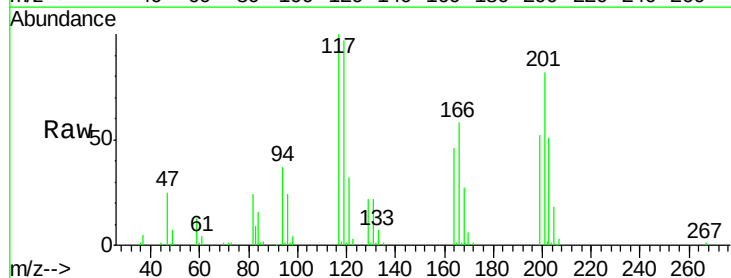
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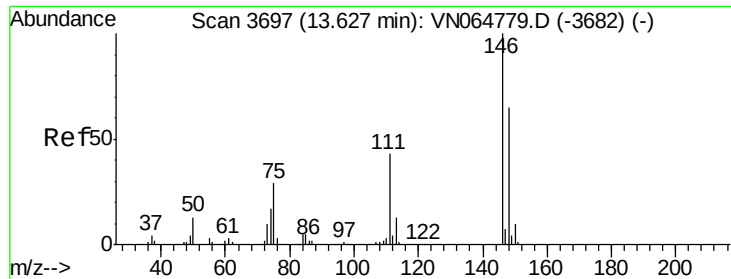
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#90
Hexachloroethane
Concen: 54.407 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064799.D
Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.1	120.3





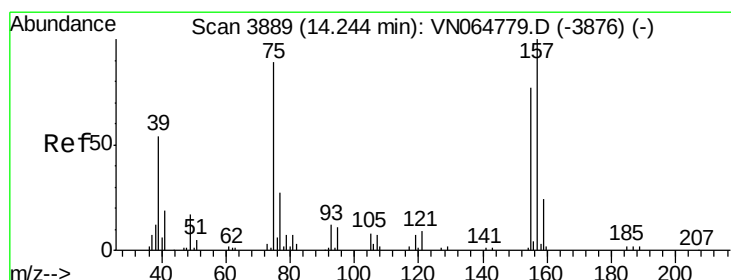
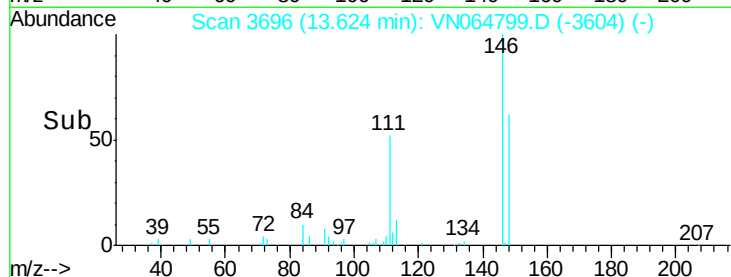
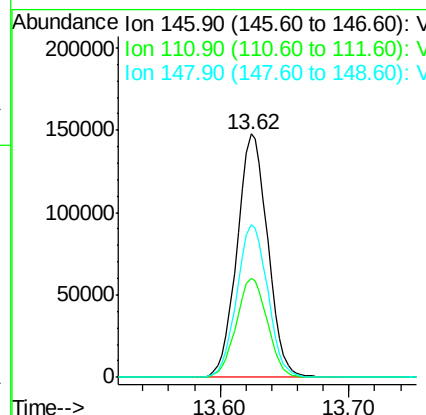
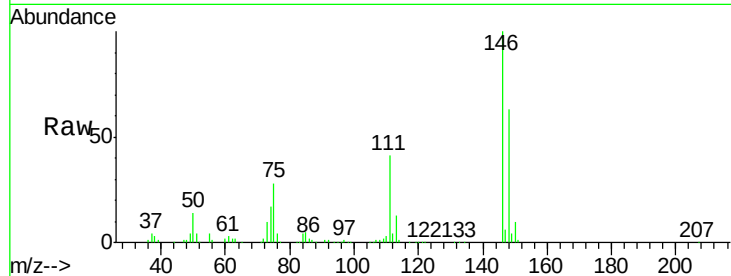
#91
 1,2-Dichlorobenzene
 Concen: 52.897 ug/l
 RT: 13.62 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	243546		
111	41.4	21.1	63.1	
148	63.4	32.0	96.2	

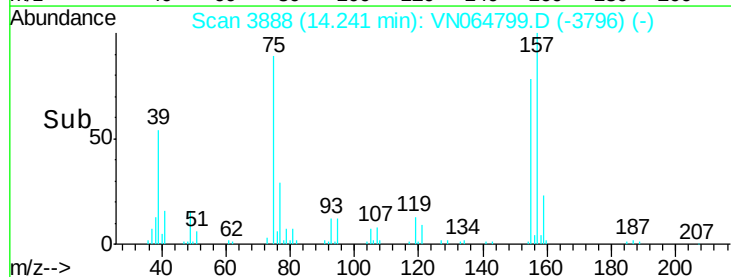
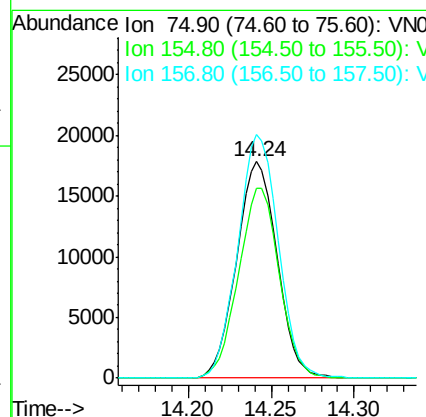
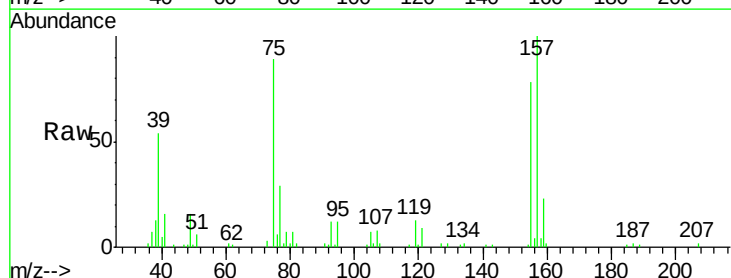
Manual Integrations
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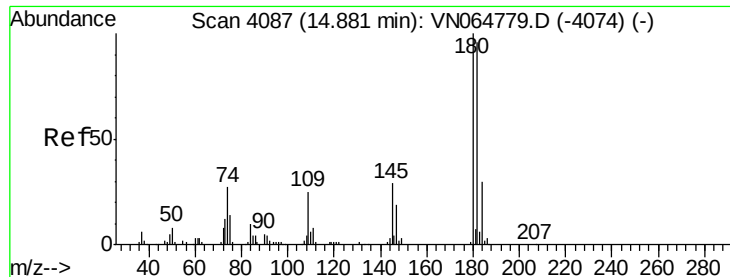
MMDadoda
 11/25/2020 11:06:07 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.139 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	30434		
155	87.9	42.8	128.3	
157	112.5	56.4	169.1	





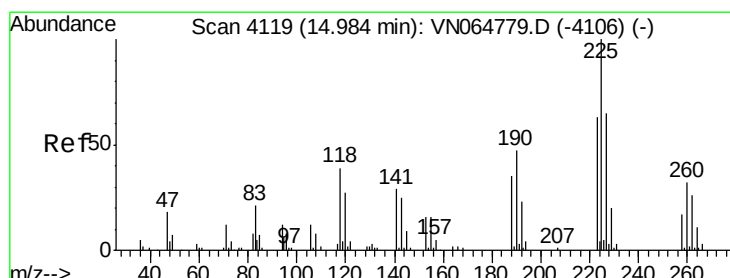
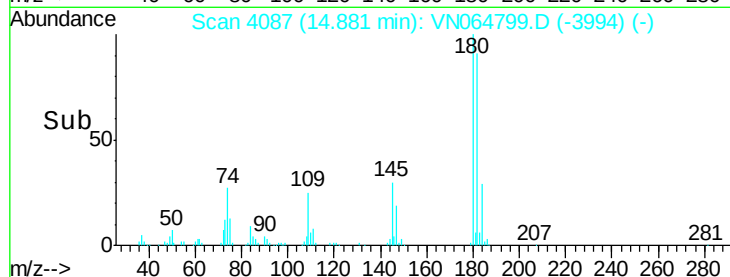
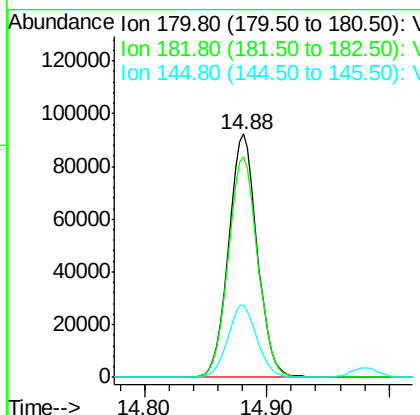
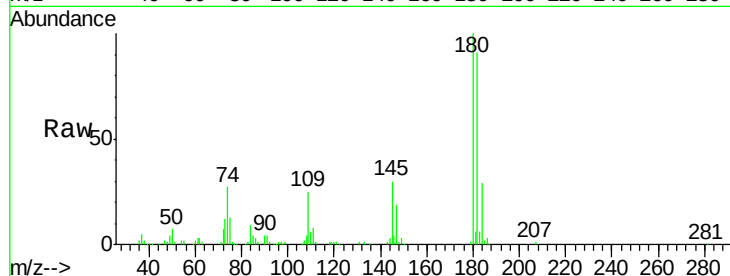
#93
 1,2,4-Trichlorobenzene
 Concen: 52.865 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.1	47.6	142.9	
145	30.2	15.3	45.8	

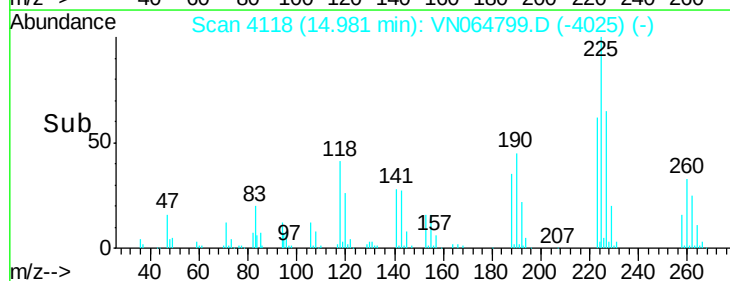
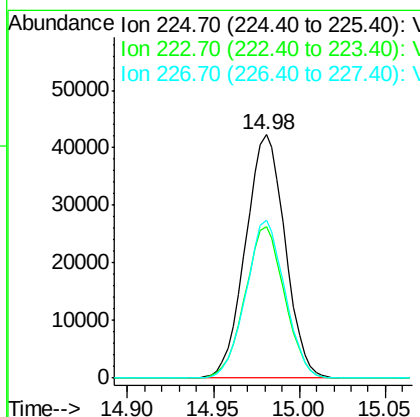
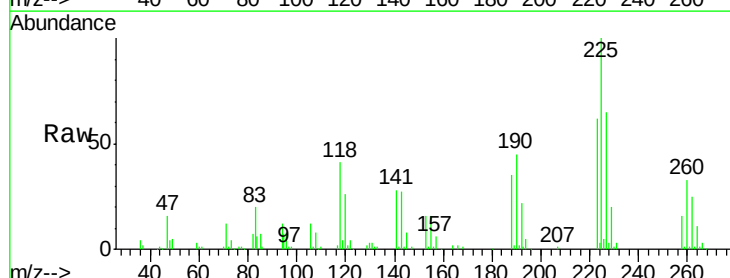
Manual Integrations
 APPROVED

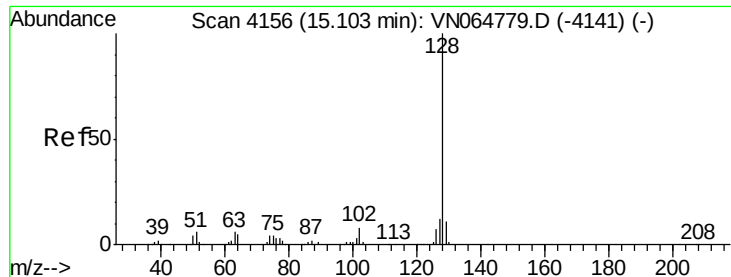
MMDadoda
 11/25/2020 11:06:07 AM



#94
 Hexachlorobutadiene
 Concen: 52.729 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064799.D
 Acq: 24 Nov 2020 9:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.0	93.0	
227	63.6	32.0	96.0	





#95

Naphthalene

Concen: 50.069 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Instrument :

MSVOA_N

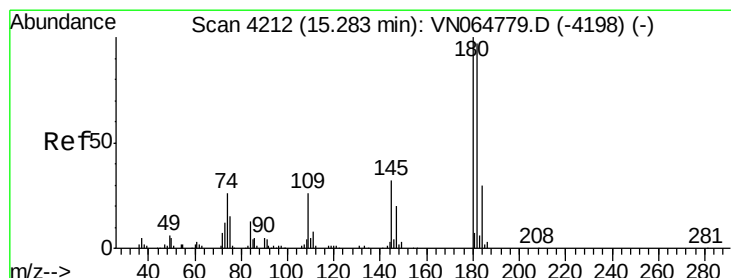
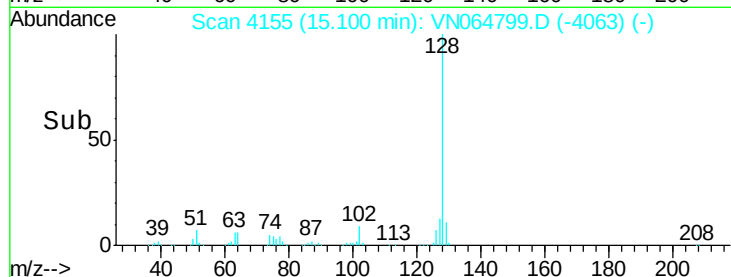
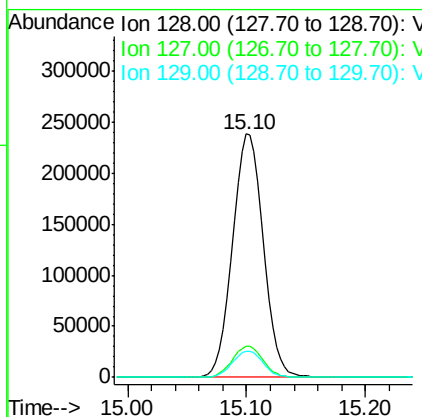
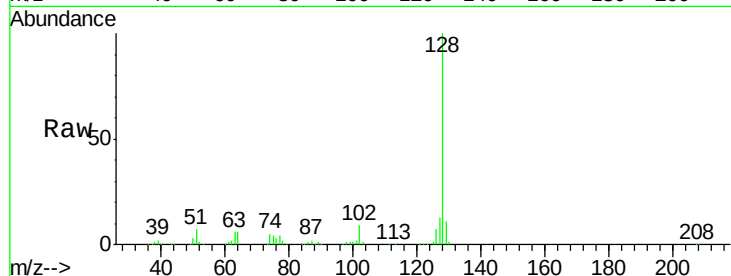
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	427227
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/25/2020 11:06:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.671 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064799.D

Acq: 24 Nov 2020 9:55

Tgt Ion:	180	Resp:	139984
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.4
145	32.5	16.4	49.1

